



FSM: Typhoon Maysak

Situation Report No. 5 (as of 17 April 2015)

This report is produced by the Office of Environment and Emergency Management in collaboration with FSM National and Yap and Chuuk State authorities, UNDAC, USAID and humanitarian partners. It covers the period from 15 to 17 April 2015. The date for the issuing of the next report is Tuesday 21 April.

Highlights

- The Caroline Voyager is docked in Yap since April 22, 2015 and re-provisioning. It is scheduled to depart for Ulithi, Fais, and Fareulap on April 25, 2015 to continue its delivery of relief items.
- Vice President Alik Alik is making his official visit to the State of Yap on April 25, 2015 for a week, scheduled to visit the islands of Ulithi and Fais during his stay.
- USAID conducted an Airlift of Emergency Relief Supplies to Yap and Chuuk on April 22, 2015.



Tanks being loaded on Voyager for Outlying effected islands, April 23, 2015

c. 30,000

Affected
Individuals

Over **90%** of
crops
destroyed

Food Assistance
for **6**
months

Emergency water
source and water
treatment
supplies

Home repair
and
reconstruction

Infrastructure
repair and
rehabilitation

Situation Overview

Typhoon Maysak made landfall at Chuuk lagoon on Sunday 29th March and Ulithi Atoll, Yap on 1st April while neighboring islands within the two states also experienced strong destructive winds causing damages. Governor Johnson Elimo of Chuuk and Governor Tony Ganngiyan of Yap had on 30th March and 1st April respectively declared state of emergency for their states. President Manny Mori consequently had declared a State of Emergency for both states and reaffirms the FSM Emergency Task Force to coordinate all response efforts which includes mobilization of national government resources and international assistance.

FSM Emergency Task Force is now coordinating all response effort supplementing the effort of the states and partners such as IOM and MRCS. IOM and MRCS both have preposition stocks of Non Food Items in Chuuk and Yap. Patrol boats FSM03 and FSM02 deployed to Chuuk and Yap states outer islands respectively with national government officials to assess damages sustained and identify key priorities. Priority humanitarian relief supplies such as water and emergency rations had been loaded onto the patrol boats for delivery to the far outlying islands. The patrol boats are earmarked for the far outlying islands while the states are hiring small boats to carry assessment teams and also distribute relief items.

Chuuk and Yap Emergency Operation Centers are now in full operation where coordination of response, assessment and relief efforts is being carried out. In Chuuk the response is organized around five regions: three regions on Truk lagoon are northern Namoneas (Weno, Fono and Piis); southern Namoneas (Tonowas, Fefan, Uman, Parem and Siis) and the Faichuk islands; and two outer island regions are Upper Mortlocks and the Northwest islands. In Yap the outer islands and most particularly the islands of the Ulithi Atoll.

Needs and Response

Education

Needs:

- All schools are closed on the 5 most affected islands in Yap State, due to structural damage: for example, the roof of the school in Fallalop is completely destroyed
- The majority of schools in Chuuk State are open and functioning.
- Damage is reported at numerous schools mostly due to fallen trees
- Damage to classroom materials including books and school supplies was noted during assessments.
- Damage to schools' water tanks impacts on the wider community that relies on rainwater collected from school roofs.

Response:

- Some Yap islands are resuming schooling in alternate facilities. It is noted that the Fallalop School is badly damaged. OCH indicates children are being schooled in alternate location on Fadrai.
- FSM civil engineer Karen Wonders has concluded structural assessments to assess needs at schools and other public facilities in Chuuk. She is currently in Yap and scheduled to depart on the 25th to assess damage to infrastructure in Ulithi, Fais, and Fareulap
- The Senior students in Ulithi were transferred to Yap Main Island High School to continue their education

Gaps:

- Fallen trees and other debris to be removed from school premises
- Structural repairs remain to be undertaken

Food Security

Needs:

- Many areas assessed reported a need for immediate food provision.
- Tree crop losses of 85-100% for the most affected islands affecting bananas, breadfruit, coconuts
- To date the people have been able to consume fallen breadfruit (their staple diet) and damaged crops, but these are now running out. Due to strong wind, premature breadfruits are down, which indicates a long period of no breadfruit.
- Taro and other crop losses varying from 100% on Fallalop to minimal damage in other locations
- Based on recent Dept of Health & WHO assessment
 - 60% of populous in the Chuuk lagoon does not have adequate food supplies
 - 83% of population in Faichuk does not have adequate food supplies
- It takes two years for new breadfruit trees, if planted now, to come into production: urgent provision of seedlings and agricultural inputs
- The PDA report conducted by the USG indicated that the storms impact on fishing was minimal

Response:

- Significant food and water distribution activities have commenced in the Chuuk lagoon and the outer islands
 - Patrol Boat #3 Independence sailed April 16 to Parem and Siis
 - Chief Mailo sailed April 16 to the Southern Namoneas islands
 - Caroline Voyager depart April 15 for the NW Region
 - Skiff based deliveries continue to move commodities around islands communities
 - Land based delivery in continue to occur on the island of Weno
 - The barge contracted by IOM outfitted with an 8,000 liter tank system continued to make deliveries to lagoon islands. April 16 it provided water to Parem and Siis in the southern Namoneas.
- Caroline Voyager has distributed food and water in the upper Mortlocks, Northwest Region, and faraulep. It is provisioning and loading In Yap for departure to Ulithi, Fais, and Faraulep on April 25, 2015

- The patrol boat FSS Independence has distributed food and water in the Faicuk region, Piis-Paneu and Fono in northern Namoneas, and Parem and Siis in the southern Namoneas. Distribution of food and water in Weno has been completed by motor vehicle.
- Chief Mailo departed Weno today with food and water for the rest of southern Namoneas.
- Limited quantities of canned fish and meat are scheduled to be distributed in Chuuk. Based on the PDA the immediate need for distribution of protein based food commodities is not indicated.
- The Yap State government is working towards providing 2 months supply on the affected islands. Accounting is proceeding on the current deliveries but the sum of the Yap State government and most aid organizations (Mormon Church) comes to almost 25000 pounds of rice and delivered with a contribution of 2250 cans of tuna by the FSM government.
- FAO, FSM R&D, SPC is collaborating in the proposal development for crop rehabilitation
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Gaps & Constraints:

- As food distribution accelerates, available inventories are becoming depleted. Additional stock will need to be identified to ensure any unidentified needs can be met in the near future.
- Seedlings for planting of quick maturing crops to meet medium-term food requirements.

Health

Needs:

- Chuuk State Health Dept & WHO are conducting ongoing joint health assessments of shelters to assess impacts on displaced persons. The 5-person team from the Chuuk Dept of Health is conducting assessments daily
- Preliminary results from health assessments conducted earlier in the response are now being analysis and samplings are being shared:
 - 97 Shelters housing 1700 people have been assessed
 - Faichuk area is clearly to location with the greatest health impact
 - The summary of the health assessment indicates 38% of those in shelters (inside lagoon) are vulnerable for health related issues
 - Communicable disease occurrence in shelters (respiratory infection, cough, diarrhea, rash)
 - Averages 40% all shelters in lagoon
 - Averages 77% in Faichuk shelters
- Mosquito netting is scheduled to be distributed starting 17 April to the Faichuk area

Response:

- DHS has initiated surveillance for insect and water borne illnesses including dengue, chikunguya, diarrhea and also respiratory illnesses
- UNICEF has provided 100 boxes of Oral Rehydration Salt and 100 packets of micro-nutrients powder, which they have handed over to the Chuuk Dept of Health for distribution.
- DHS has all dispensaries working, though with some building infrastructure problems persisting.
- A Medical Team consisting of two from Kosrae and two from Pohnpei is set to deploy to Chuuk on April 28, 2015 to assist on shortage of medical personnel

Gaps:

- It is currently felt that the provision of adequate food, water and shelter will address the health issues facing the displaced population.

Infrastructure

Needs:

- In Yap, solar power stations, community buildings and educational facilities have been destroyed or damaged;
- In Chuuk, power supply, telecommunications, seawalls, educational facilities and a medical centre have been damaged.

Response:

- Infrastructure on the main island of Weno is returning to normal. Chuuk Public Utilities Commission (CPUC) advises that power has been restored to 85% of businesses and government services, and 28% of homes. On other islands, solar systems are being assessed.
- The PDA found an estimated \$2 million worth of damage to infrastructure in Truk lagoon.
- FSM civil engineer Karen Wonders conducting structural assessments to assess needs at schools and other public facilities. She is currently in Yap awaiting departure of Voyager for infrastructure assessment in the Ulithi and Fais.

Shelter

Needs:

- In Chuuk assessments to date indicate between 186 to 270 homes in Chuuk were destroyed or seriously damaged, with 2,961 people affected and about 1779 people displaced and currently living in churches or with other community members.
- In Yap 5 islands had damage to housing with Falalop and Asor most affected at 50% to 90% destruction to homes
- 209 homes have been reported damaged on the 5 islands with up to 95 destroyed
- Detailed needs assessments of damage and destroyed structures are needed

Response:

- FSM National Government provided chainsaws for clean up and also assisted with the delivery of other chainsaws purchased by Chuuk State
- FSM National Government provided 4 portable toilets to be placed at the shelter areas in Weno.
- In Chuuk the Church of Latter-Day Saints has provided 15 Chainsaws and numerous hand tools and safety equipment
- IFRC has deployed a five person FACT team to Chuuk and Yap States to plan the Federation's response, including a structures specialist to assist with assessments
- As of 16 April, MRCS has conducted 3,000 household assessments and continuing to plan for more
- Red Cross has distributed 88 tarps with IOM expecting 200 tarps April 18 into Yap Island bringing the total to 288
- Chainsaws were also provided by IOM, OCH have provide chainsaws and other tools
- Site clean-ups underway
- Red Cross and IOM delivered relief supplies to shelters housing to displaced families in the villages of Sapuk and Wichap on April 21, 2015
- Patrol Boat FSS Independence 03 assisted delivery of emergency supplies to displaced residents living in tarp shelters on Tonoas and Uman Island on Tuesday, April 20, 2015.

Gaps & Constraints:

- Increased supply of temporary shelter materials and tools and materials for repair of housing
- Permanent reconstruction of housing
- A limited commitment exists privately to invest in housing reconstruction until the Presidential Declaration and subsequent DRRP is released outlining what projects and programming the USG will fund.

Water, Sanitation and Hygiene

Needs:

- Many communities report problems with access to water as water tanks have been damaged or contaminated with debris. However, tests conducted show that most water remains potable. Fadarai in Yap is in need of emergency water supply.
- Woleai and Faraulep in Yap are reporting drinking water shortages as of April 14
- Shelters for displaced people are reported to not have adequate sanitation facilities.
 - An average of 46% of shelter inhabitants (inside Chuuk lagoon) report inadequate sanitation facilities
 - 75% of shelter inhabitants in Faichuk report inadequate sanitation facilities
- Shelters are also assessed to have inadequate water for consumption:
 - An average of 51% of shelter inhabitants report inadequate water across the lagoon
 - 72% of shelter inhabitants in Faichuk report inadequate water for consumption

Response:

- State authorities are working to restore water supplies, and the Environmental Protection Agency is testing water quality in communities. The distribution of bottled water is continuing.
- The Yap State Government and Mormon Church have distributed 6000L of drinking water and the Micronesian Red Cross has delivered 192 Gerry cans.
- JICA has handed over water Purifier to dispensaries in 34 villages within Chuuk lagoon
- IOM is beginning to distribute ceramic hand pumps and aqua tabs, water tanks, solar-powered 360 gallon Reverse Osmosis water systems, and provide training. This activity commenced on 14 April and has steadily improved:
 - To date, the barge has transferred 37,700 liters to shore-based bladders or plastic tanks at 7 sites within Chuuk lagoon
 - A total of 78,000 liters of water (including the barge deliveries) have been delivered for consumption
 - IOM has sent a reverse osmosis filtration system to Ulithi expected to be operational soon.

Gaps & Constraints:

- There continues to be a gap in the supply of water to Fachaulap (Faraulap) and Woleai Islands that is not resolved. There is an element of both seasonal drought and damage to water tanks.
- Repair and rehabilitation of water catchment systems.

Logistics

Response:

- Oceanic Community Health, with donors, has distributed 2000 gallons of fuel with 600 more planned. They have also provided tools and chainsaws.
- Supplies have been sent from Pohnpei to the affected states on board the Caroline Voyager
- The patrol boat Independence (03) initially delivered water, rice, and ramen to the upper mortlocks and northwest region; and has been allocated to Chuuk and can be used both within the lagoon and in the outer islands. Two commercial vessels, Chief Mailo and Pukiai, are being used inside the lagoon only and small motorboats. The state government has a warehouse on the wharf if needed to store supplies while awaiting distribution.
- IOM has chartered a vessel, The Windward, for use in distributing relief on the islands of Chuuk. Another vessel is on standby for Yap pending funding.
- In Yap there are 3 vessels carrying supplies from Colonia to the affected islands including the patrol boat Palikir (02); Pacific Mission Aviation are flying supplies. There is warehouse space and containers in Colonia but it is limited.
- FSS Micronesia is schedule to deliver relief provisions to Oroluk on April 25, 2015
- USAID hired an airlift of relief from Dubai to both Chuuk and Yap on April 22, 2015.

Gaps & Constraints:

- The main challenge for the relief effort is how to service a widely dispersed area with a limited number of vessels.
- Distances and absence of docks and sufficient water depth limiting size and types of craft that can supply islands
- In Yap a round trip time of vessels is 3-5 days, with 1 International airport in Yap and landing strips on Fallalop and Fais.
- In Chuuk Seven vessels that might otherwise have been used to transport supplies were damaged in the typhoon. The patrol boat can reach the southern-most islands of Truk Lagoon in a few hours, but would need several days to deliver supplies to all ports on those islands. Additionally, the patrol boat has limited capacity so needs to return frequently to Weno to restock.
- To bring in supplies from Kuala Lumpur or Manila by air is an expensive option, with a chartered flight costing an estimated \$800,000. The sea freight option does not offer the same speed of delivery for urgently needed supplies.

General Coordination

Coordination is conducted through the national and state EOCs. At the national level, the Cabinet Taskforce is chaired by the director of the OEEM. However due to his current deployment to Yap, the Chief of Staff, Mr. Leo Falcam is acting chair. For Chuuk the Emergency Operations Centre in Weno is operational under the temporary chairmanship of Mr. Tos Nakayama, Director Transport and Public Works covering for the State Chief of Staff. State Government chairs a daily coordination meeting at 8.30 am, and another at 3pm of local leaders. In Yap, the EOC in Yap hosts

coordination meetings of state government departments and partner organizations. The appropriate contact for Yap EOC is the Disaster Coordinating Officer, Mr. Ray Igechep, who is also the Director of Planning and Budget.

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