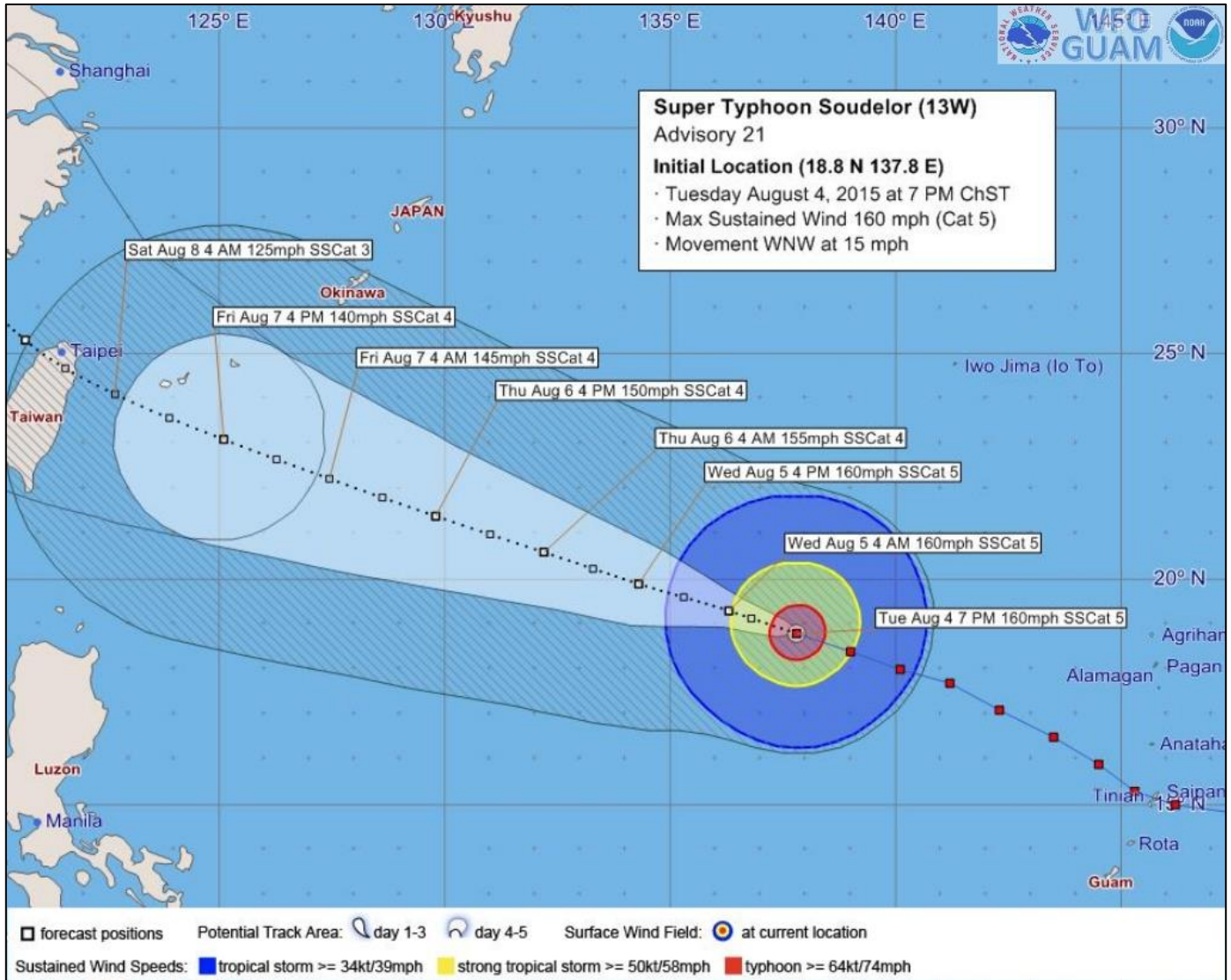




Typhoon Soudelor (13W) Situation Report #2 August 4, 2015 (11:30 AM EDT)



Source: Guam Forecast Office at NOAA's National Weather Service

Highlights:

- As of 6:00AM EDT today, Tuesday, August 4, Super Typhoon Soudelor is located approximately 580 miles west-northwest of Saipan and continues to move away from the Mariana Islands. Typhoon Soudelor impacted the island of Saipan directly on Sunday, August 2, with highest reported wind speeds of 91mph.
- Severe damage to the electricity infrastructure on island of Saipan was observed, with estimates for restoration of approximately one month. As of 11:00AM EDT today, the island of Saipan remains without power.
- The Port of Saipan, is open to authorized vessel traffic and subject to USCG Safety Zone requirements surrounding Tanapag Harbor (where the island's petroleum terminals are located).



USCG Sector Guam's Incident Management Division is working on mitigation/cleanup at the Port of Saipan.

- Limited potable water service is being delivered via truck, in order to allow residents to fill their storage tanks and bottles.

DOE Actions:

Operations:

- Effective July 31, 2015, at 12:00PM EDT/9:00AM PDT, the Department of Energy's Energy Response Organization (ERO) activated to Level III (Enhanced Watch) in support of Tropical Storm Soudelor (13W).
- Effective August 1, 2015, one ESF-12 field responder is deployed with the Regional IMAT on Saipan. **ESF-12 continues to assist with damage assessments and temporary power placements in coordination with ESF #3 and CUC.**
- On August 3, 2015 at 4:00PM EDT/1:00PM PDT DOE activated a second regional IMAT Representative to deploy to Saipan at the request of FEMA Region IX. **Additional DOE IMAT representatives are on standby as a staffing plan is being developed to relieve initial personnel.**
- ESF-12 is covering 24 hour operations at the FEMA Region IX Response Coordination Center (RRCC) in Oakland, CA. On July 31, 2015, at 12:00PM EDT/9:00 PDT, one ESF-12 field responder deployed to the FEMA Region IX Regional Response Coordination Center (RRCC) in Oakland, CA. On August 2, 2015 at 12:00AM EDT/9:00PM PST, a second ESF-12 responder was added for night shift coverage. **As of August 4, 2015, at 11:00AM EDT/8:00 PDT, a third ESF-12 field responder is in route to support the FEMA Region IX RRCC and will be relieving an existing responder starting Thursday August 6, 2015.**

Energy Sector Outreach:

- DOE Energy Response Organization (ERO) staff at headquarters as well as DOE ESF-12 personnel deployed to FEMA Region IX held an outreach call yesterday, Monday August 3, 2105, with the American Public Power Association (APPA) to discuss coordination of mutual aid and resources to APPA's member utility in Saipan. No requests for federal assistance, no unmet needs at this time.

Electricity Information:

The electric power generation and distribution system of Commonwealth of the Northern Mariana Islands (CNMI) is managed by the Commonwealth Utilities Corporation (CUC), a public corporation of the CNMI government. Three of the fifteen islands are inhabited and about 90% of the population lives on Saipan (48,220 citizens). Generating capacity is approximately 70MW on Saipan, which is supplied through diesel generators located at two power plants in the central port area of Tanapag on the western side of the island. The island has a distribution network of 135 miles of a 13.8 kV system. Saipan has seven (feeder) distribution lines originating from its Lower Base plant. **Critical CUC assets on Saipan include, both power generation facilities, the Kiya 34.5/13kv substation, and the 13.8kv distribution grid.**

Nuclear Generation Facilities

- There are no nuclear generating plants in the Northern Mariana Islands.



Electric Utility Information

- According to CUC, as of August 4, 12:09AM EDT, the island of Saipan remains without power, water, and wastewater services.
 - CUC operations staff performed activities to de-energize facilities and covered the critical parts of the generators and control circuits prior to typhoon landfall. High winds caused damage to power generation facilities, allowing rain to enter into critical equipment.
 - All distribution lines coming out of Power Plant #4 are damaged.
 - The structures inside the Kiya 34.5/13kv substation fence appear to be operational. The distribution poles holding the three phase feeders into the Kiya substation are broken.
 - CUC has suffered damage to 50% of the 13.8kv primary distribution system.
 - As of August 3, 11:30PM EDT, an estimated 150 of wooden distribution-line poles are down along with broken cross arms, hardware and insulators; estimates of 114 pole top transformers were also destroyed.
 - On island, CUC is assessing its spare equipment for restoration. There are an estimated 77 wooden poles and no transformers.
 - Lack of electricity to power pumps is preventing water from being pumped into the reservoirs. Limited potable water service is being delivered via truck, in order to allow residents to fill their storage tanks and bottles.
- Debris on major roadways is no longer hampering assessment and restoration efforts. Clearing secondary roads is now the focus.
- CUC suffered widespread damage to Saipan's power generation and distribution system when Typhoon Soudelor made landfall Sunday evening.
- **The current timetable is at least one month for restoration of essential services in Saipan.** Customers are preparing for an extended power and water outage.
- CUC is working with the Federal Emergency Management Agency (FEMA) to perform an island-wide assessment to ascertain damage and plan recovery efforts.
- CUC has mutual aid agreements with Guam Power Authority.

Petroleum & Natural Gas Information

The Commonwealth of the Northern Mariana Islands (CNMI) has no conventional energy resources and meets nearly all of its energy needs, including electricity generation, with petroleum received by ship at harbors on its three inhabited islands: Saipan, Tinian, and Rota.

Crude Oil & Natural Gas Production

- CNMI has no indigenous crude oil or natural gas production.

Petroleum Refineries

- CNMI has no petroleum refineries.

Petroleum Terminals

- Two fuel storage facilities operated by Mobil Oil (10 tanks – gasoline, diesel, and jet fuel) and IP&E (4 tanks – gasoline) are located in Tanapag Harbor at the Port of Saipan on the central northwest side of Saipan (the largest island). These facilities receive shipments from larger storage



terminals on Guam. The island of Tinian receives small shipments of transportation fuels at a facility in Tinian Harbor.

- The U.S. Coast Guard (USCG) National Command Center reported a 130,000-gallon gasoline storage tank at the Mobil Oil terminal was damaged by flying debris. The tank is in a containment area surrounded by a four foot berm. Approximately 11,000 gallons of gasoline has spilled and is contained within this area and has been covered with Aqueous Film-Forming Foam (AFFF), a fire fighting agent. Efforts to seal the tank are in progress as of August 3. **Mobil Oil noted August 4 that there is sufficient gasoline supply in Saipan.**
- USCG also reports that a vessel broke free of its moorings and breached a 1,000-gallon diesel tank at a non-terminal dock in the Port of Saipan, leading to the release of about 500 gallons into the water. A major pollution event was declared. **Although the Port of Saipan has reopened August 4, a Safety Zone remains around Tanapag Harbor.**

Retail Service Stations

- Motor gasoline supplies at retail service stations are very limited, according to open press reporting on August 4. Two-hour waits have been reported at service stations.
- Rumors of motor gasoline rationing are false and a price freeze covering fuel, among other goods, is in effect until August 8.
- Mobil Oil has opened three of its Saipan service stations (Susupe, Chalan, and Middle Road) to allow first responders and vehicles required by essential services to refuel, and plans to open more subject to safety assessments and road conditions, according to reports on August 4. The company is working in coordination with the appropriate authorities to determine when it will be safe and appropriate to resume supply to its customers and the general public.
- Shell currently has three service stations open in Saipan, according to reports August 4. Shell Puerto Rico, Shell Highway Express and Shell Airport road are open.

Fuel for Power Generation

- Commonwealth Utilities Corporation (CUC), which manages the electric power generation and distribution system on CNMI, uses approximately 22-24 million gallons of diesel fuel per year. Saipan currently has a maximum diesel fuel storage capacity of over 3 million gallons (when all tanks are in use), allowing for a maximum of about 1.5 months of active fuel storage.
- Due to an island-wide power outage, the Saipan Hospital is operating on backup generators. As of August 2, the hospital estimated enough fuel for 2 days of operations. FEMA IMAT was working on a fuel distribution plan for generators.

Ports

- As of 6:00 PM EDT, August 3/8:00 AM ChST, August 4, USCG reopened the ports of Tinian and Rota to commercial vessel traffic and cargo operations. The Port of Saipan, is open to authorized vessel traffic and subject to USCG Safety Zone requirements surrounding Tanapag Harbor (where the island's petroleum terminals are located). USCG Sector Guam's Incident Management Division is working on mitigation/cleanup at the Port of Saipan. The Saipan Port had declared a major pollution event due to a 500-gallon gasoline spill. USCG also reported that three vessels **less than 200 gross tons** were blown from their moorings and were aground in Tanapag Harbor. USCG officially placed all CNMI ports in Condition Zulu as of 4:00PM EDT on August 1/6:00AM ChST on August 2, meaning that all activity, both on the water, and at the seaports is officially suspended.



Status of Ports		
Port Sector	Status	Date Stamp
Saipan (CNMI)	Open subject to USCG Safety Zone Requirements in Tanapag Harbor.	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Tinian (CNMI)	Open.	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Rota (CNMI)	Open.	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4
Apra Harbor (Guam)	Open.	6:00 PM EDT, Aug. 3/8:00 AM ChST, Aug. 4

Source: U.S. Coast Guard

- According to the Port Authority of Guam, the tanker *Barents Sea* is due into Apra Harbor (Guam) August 10. According to shipping data from Reuters, the tanker’s last charter carried clean products.

Petroleum Product Pipelines

- CNMI has no major petroleum transport pipelines.

Natural Gas Pipelines

- CNMI has no natural gas pipelines.

Natural Gas Processing

- CNMI has no natural gas processing plants.

Natural Gas Storage

- CNMI has no natural gas storage facilities.

Territory Government Information:

- Northern Mariana Islands
 - The CNMI EOC remains fully activated; running on generator power to protect equipment from power surges. **The Saipan EOC is currently without power.**
 - **CNMI Homeland Security and Emergency Management is asking the general public to remain indoors due to the dangers of down power poles and trees on roads and highways.**
 - On August 2, Ralph DLG. Torres, Lieutenant to CNMI Governor, declared a State of Major Disaster and Significant Emergency for the entire Commonwealth.
 - The CNMI Governor also declared a price freeze for the Commonwealth as of August 3, 2015. Pursuant to the Commonwealth Disaster Price Freeze Act, this price freeze shall apply to the following items:
 - Gasoline, kerosene, diesel fuel, natural gas, and all other chemical fuels, whether in gaseous, liquid, or solid form;
 - Generators, cables, wires, electrical batteries of every sort, and similar equipment for the generation or transmission of electrical power;
 - Tools typically used for construction, ground clearing, or home repairs, whether electrically powered, chemically powered, or manual, including, but not limited to, saws, machetes, hammers, drills, shovels, rakes, and brooms.
 - The price freeze shall remain in effect until August 8, 2015, unless otherwise extended by official order.