APPENDIX 11
(SOUTH CAROLINA TSUNAMI RESPONSE PLAN)
TO THE SOUTH CAROLINA EMERGENCY OPERATIONS PLAN

I. INTRODUCTION

A. Tsunamis are ocean waves caused by a large and sudden displacement of the ocean (e.g., from earthquakes, underwater landslides, etc.) and may occur at any time, day or night.

B. Tsunamis are often incorrectly referred to as tidal waves. A tsunami is actually a series of waves that can travel at speeds averaging 450 (and up to 600) miles per hour in the open ocean.

C. There are two sources of tsunamis for coastal waters - a distant source and a local source.
   1. Distant Source: The source of the tsunami is more than 620 miles (1,000 km) away from the Tsunami Warning Center’s Area of Responsibility (AOR).
   2. Local/Regional Source: Source of the tsunami is within 620 miles of the AOR. A local or near-field tsunami has a very short travel time (30 minutes or less), and mid-field or regional tsunami waves have travel times on the order of 30 minutes to 2 hours.

D. Locally generated tsunamis generally cause more loss of life than distant tsunamis. Tsunamis generated from local sources are generally larger and arrive much sooner after the causative source event than tsunamis from distant sources. Though the impact is high, the probability for such an event is extremely low.

E. Though seldom, tsunamis have been recorded along the U.S. Atlantic Coast as far back as 1755 and as recent as 1929. Landslides on the outer continental shelf and slope along the Mid-Atlantic coast have the potential to trigger tsunamis that may affect populated coastal areas.

F. Withdrawal of the sea is not always a precursor to arrival of the wave. The first wave may not be the largest. The largest wave usually occurs among the first three waves.

G. The National Oceanic and Atmospheric Administration (NOAA)’s National Tsunami Warning Center in Palmer, Alaska, is responsible for the preparation and dissemination of Tsunami Warnings, Watches, Advisories, and Information Statements for the coastal regions of Canada and all States except Hawaii. These regions are defined as the National Tsunami Warning Center’s AOR.
   1. The National Tsunami Warning Center uses earthquake information, tide gauges, and DART (Deep-ocean Assessment and Reporting of Tsunamis) buoys located in the Atlantic Ocean, the Gulf of Mexico, and the Caribbean.
Sea to predict tsunami arrival times, predict coastal run-up when possible, and disseminate appropriate warning and informational products based on this information.

2. The following products are issued by the National Tsunami Warning Center. Each has a distinct meaning relating to local emergency response.

<table>
<thead>
<tr>
<th>Product</th>
<th>Potential Hazard(s)</th>
<th>Public Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Statement</td>
<td>No threat or very distant event for which hazard has not yet been determined</td>
<td>No action suggested at this time</td>
</tr>
<tr>
<td>Watch</td>
<td>Not yet known</td>
<td>Stay alert for more information. Be prepared to act</td>
</tr>
<tr>
<td>Advisory</td>
<td>Strong currents and waves dangerous to those in or very near water</td>
<td>Stay out of water, away from beaches and waterways</td>
</tr>
<tr>
<td>Warning</td>
<td>Dangerous coastal flooding and powerful currents</td>
<td>Move to higher ground or inland</td>
</tr>
</tbody>
</table>

a. Tsunami Information Statement

(1) A Tsunami Information Statement is issued to inform emergency management officials and the public an earthquake has occurred, or a tsunami warning, watch, or advisory has been issued for another section of the ocean.

(2) In most cases, Information Statements are issued to indicate there is no threat of a destructive tsunami and to prevent unnecessary evacuations as the earthquake may have been felt in coastal areas.

(3) An Information Statement may, in appropriate situations, caution about the possibility of destructive local tsunamis.

(4) Information Statements may be re-issued with additional information, though normally these messages are not updated. However, a watch, advisory, or warning may be issued for the area, if necessary, after analysis and/or when updated information becomes available.

b. Tsunami Watch
A Tsunami Watch is issued to alert emergency management officials and the public of an event which may later impact the watch area.

The watch area may be upgraded to a warning or advisory or be canceled based on updated information and analysis.

Watches are normally issued based on seismic information without confirmation that a destructive tsunami is underway.

Citizens should use a NOAA Weather Radio or stay tuned to a local radio or television station for updated emergency information.

c. Tsunami Advisory

A Tsunami Advisory is issued due to the threat of a potential tsunami which may produce strong currents or waves dangerous to those in or near the water.

The threat may continue for several hours after the arrival of the initial wave, but significant widespread inundation is not expected for areas under an advisory.

Appropriate actions to be taken by local officials may include closing and/or evacuating beaches, evacuating harbors and marinas, and repositioning ships to deep waters when there is time to do so. Local tsunami plans should be referenced for more information.

Advisories are normally updated to continue the advisory, expand/contract affected areas, upgrade to a warning, or cancel the advisory.

d. Tsunami Warning

A Tsunami Warning is issued when a potential tsunami with significant widespread inundation is imminent or expected.

Warnings alert the public that widespread, dangerous coastal flooding accompanied by powerful currents is possible and may continue for several hours after arrival of the initial wave.

Warnings also alert emergency management officials to take action for the entire tsunami hazard zone. Appropriate actions to be taken by local officials may include the
evacuation of low-lying coastal areas and the repositioning of ships to deep waters when there is time to safely do so. Reference local tsunami plans for more information.

(4) Warnings may be updated, adjusted geographically, downgraded, or canceled. To provide the earliest possible alert, initial warnings are normally based only on seismic information.

3. The geographic extent of a tsunami product is based on the size of the earthquake, the tsunami travel times throughout the AOR, and expected impact zones.

4. Tsunami products are generally issued within 10 minutes after earthquake occurrence.

5. Below is the U.S. East Coast criterion for issuance of tsunami products:

<table>
<thead>
<tr>
<th>Earthquake Magnitude</th>
<th>Area</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0-4.9</td>
<td>Within 150 km (93 miles) of coast</td>
<td>Tsunami Information Statement</td>
</tr>
<tr>
<td>5.0-5.9</td>
<td>Within 100 km (62 miles) onshore</td>
<td>Tsunami Information Statement</td>
</tr>
<tr>
<td>6.0-6.4</td>
<td>No geographic criterion</td>
<td>Tsunami Information Statement</td>
</tr>
<tr>
<td>6.5-7.5</td>
<td>Deeper than 100 km (62 miles) or far off-shore</td>
<td>Tsunami Information Statement</td>
</tr>
<tr>
<td></td>
<td>Within 250 km (155 miles) from source</td>
<td>Tsunami Warning</td>
</tr>
<tr>
<td>7.6-7.8</td>
<td>Deeper than 100 km (62 miles) or far off-shore</td>
<td>Tsunami Information Statement</td>
</tr>
<tr>
<td></td>
<td>Within 500 km (310 miles) from source</td>
<td>Tsunami Warning</td>
</tr>
<tr>
<td></td>
<td>Within 1000 km (621 miles) from source</td>
<td>Tsunami Advisory</td>
</tr>
<tr>
<td>&gt;7.8</td>
<td>Within 1000 km (621 miles) from source</td>
<td>Tsunami Warning</td>
</tr>
<tr>
<td></td>
<td>Elsewhere</td>
<td>Tsunami Watch</td>
</tr>
</tbody>
</table>

II. PURPOSE

SC Tsunami Response Plan
A. Plan and coordinate the operational procedures South Carolina will use in the event of a tsunami.

B. Identify roles and responsibilities of local, state, and federal agencies when responding to a tsunami.

C. Provide resources to assist local governments in preventing and minimizing injury or death to people resulting from a tsunami.

III. SCOPE

A. The South Carolina Tsunami Response Plan addresses operations to be conducted in coordination and mutual support with the South Carolina Emergency Operations Plan (SCEOP).

B. This plan complements the SCEOP and addresses responsibilities, processes, and actions specific to tsunami events.

IV. ASSUMPTIONS

A. A damaging tsunami wave reaching South Carolina would likely force between a couple of inches and 3 feet of water onshore, with a worst-case scenario of 5 meters (16 feet). Depending on source location, the anticipated lead time is 2-11 hours.

B. Communications and critical infrastructure services will be disrupted or destroyed.

C. The maximum possible tourist and workforce populations will be present in affected areas.

D. Damage will be widespread and will vary widely (i.e., concentrations of significant damage in some areas with slight damage in others).

E. Access to damaged areas will be restricted and some low-lying areas will be inundated.

V. SITUATION

A. Though the potential impact is high, the tsunami threat for South Carolina is extremely low, and any tsunamis would likely be small and inundate mostly the beaches.

B. The tsunami threat in South Carolina will likely result from a distant seismic source and provide at least 2-4 hours lead time.

C. South Carolina has six coastal counties bordering the Atlantic Ocean with more than 200 miles of general coastline. The SC Coastal Counties are Beaufort, Charleston, Colleton, Georgetown, Horry, and Jasper. For tsunami hazards,
Berkeley County is also considered in this list because of the potential for a tsunami to affect the southernmost portion of the county.

D. A Tsunami Watch, Warning, or Advisory will be transmitted by National Weather Service (NWS) offices for all tsunamis forecasted to impact South Carolina.

E. NOAA’s NWS Offices promote the TsunamiReady Program.

1. The TsunamiReady Program is designed to help states, counties, municipalities, universities, and other population centers in coastal areas reduce the potential for deadly tsunami-related consequences.

2. The program helps community leaders and emergency managers strengthen their local operations. TsunamiReady communities are better prepared to save lives through improved planning, education, and awareness.

3. Communities have fewer fatalities and property damage if they effectively plan before a tsunami arrives. No community is tsunami proof, but the TsunamiReady Program can help minimize loss to vulnerable communities.

4. SC TsunamiReady Counties and Communities: https://www.weather.gov/tsunamiready/sc-tr

<table>
<thead>
<tr>
<th>Counties</th>
<th>Communities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beaufort</td>
<td>Debordieu Colony</td>
</tr>
<tr>
<td>Charleston</td>
<td>Town of Hilton Head Island</td>
</tr>
<tr>
<td>Colleton</td>
<td>Myrtle Beach</td>
</tr>
<tr>
<td>Georgetown</td>
<td>North Myrtle Beach</td>
</tr>
<tr>
<td>Horry</td>
<td>Surfside Beach</td>
</tr>
</tbody>
</table>

VI. CONCEPT OF OPERATIONS

A. Notification

1. In the event of a Tsunami Warning, Watch, Advisory, or Information Statement, the National Tsunami Warning Center issues the tsunami message to the NWS offices in the affected states. The local NWS forecast offices have the primary responsibility to process the information and rebroadcast the tsunami message or product through the civil emergency system which activates the Emergency Alert System (EAS).

2. EAS
a. The decision to activate EAS for a tsunami product is the sole responsibility of the local NWS Forecast Offices.

b. The issuance of a Tsunami Warning or Watch may prompt NWS to activate EAS. The issuance of a Tsunami Advisory and Information Statement will not prompt EAS activation.

c. If NWS activates EAS, state and local officials can follow-up with another activation of EAS to warn the public and/or issue safety messages.

d. Tsunamis with minimal impacts (rough surf and currents) may not result in EAS activation.

3. Upon receipt of a Tsunami Warning, Watch, Advisory, or Information Statement, the State Warning Point (SWP) will confirm receipt of the tsunami message with the National Tsunami Warning Center and relay to coastal counties. For redundancy, the SWP has several communications systems to receive tsunami messages when issued by NOAA:

   a. Internet
   b. NOAA All Hazards Weather Radio
   c. iNWS text/email notification
   d. EMnet
   e. Fax machine

4. Upon receipt of a tsunami message, the SWP forwards the message via email to SC Emergency Management Division (SCEMD) officials and coastal emergency management offices.

5. The coastal county emergency management offices also receive Tsunami Warning and/or Watch information independent of the SWP through NOAA All Hazards Weather Radio and other systems that receive NOAA weather warnings.

6. Upon receipt of any of the tsunami products, the SCEMD Director (or his designee) will confer with the NWS State Liaison (and if not available, a coastal NWS Forecast Office representative) to confirm the threat and discuss potential consequences.

7. In the event a Tsunami Warning is issued for the South Carolina coast by the National Tsunami Warning Center (NTWC), the State Emergency Operations Center (SEOC) will activate at OPCON 1 and staff accordingly.
8. In the event a Watch or Advisory is issued for the South Carolina coast by the National Tsunami Warning Center, the SEOC will activate at OPCON 2 and will be staffed accordingly.

B. Evacuation

1. High-speed communications systems are used by the Tsunami Warning Centers, and distant tsunamis can often be announced by the Warning Centers with lead time to evacuate. A tsunami produced from a distant source may allow three or four hours to evacuate.

2. Current tsunami inundation modeling is still in its infancy for the U.S. East Coast. Until tsunami inundation maps are developed for the entirety of coastal South Carolina, the State’s Tsunami Evacuation Zone will use the recommended NWS Forecast Zone, which is the evacuation one (1) mile inland away from coastal water or approximately the third floor of a high rise building in the event of a Tsunami Warning. Attachment A, Exhibit A includes the one (1) mile inland tsunami evacuation map for reference.

3. Inland evacuation is the preferred method to evacuate low-lying coastal areas in advance of the initial tsunami wave. However, if lead time is insufficient to effect an inland mass evacuation, citizens should implement vertical evacuation procedures. Vertical evacuation is the act of moving to the highest floor in a multiple-story building in order to avoid the tsunami wave. Vertical evacuation is a last resort.

4. SCEMD will request the Governor activate the SC Emergency Operations Plan (SCEOP). The Governor may declare a mandatory evacuation of specific coastal areas. Upon receipt of a Tsunami Warning, local government officials will communicate, if applicable, the Governor’s evacuation order to the threatened area. See Attachment A for a Sample Evacuation Order.

5. The evacuation message will be broadcast to television and radio stations through the activation of EAS and other communications systems.

6. SCEMD and the local emergency manager will maintain communication with the NWS State Liaison and the local NWS Forecast Offices on all notification and evacuation decisions. Telephone numbers of the NWS Forecast offices are maintained in SCEMD and the county emergency managers’ telephone directories.

7. An evacuation order for a Tsunami Watch will be dependent upon the situation. The recommendation to evacuate will be made by representatives of the State Emergency Response Team (SERT), NWS forecast officials, and affected local emergency management officials.
8. After the arrival of the first wave, additional waves may continue at varying intervals for several hours. The first wave may not be the largest.

9. If time allows, county emergency managers may designate assembly areas for those without transportation in the tsunami risk areas.

10. Shelters for persons needing accommodations will be identified outside the tsunami risk areas.

11. If required or requested, Traffic Control Points (TCP) will be identified for the areas and implemented by local law enforcement with assistance by Emergency Support Function (ESF)-16 (Emergency Traffic Management). Access control after the event is essential.

12. If the need arises to implement evacuation routes, the routes currently identified for hurricane evacuation will be implemented along with their respective traffic management operations. Local officials will be responsible for coordinating local evacuation efforts and requesting implementation of the hurricane traffic management plan.

C. “ALL CLEAR” Determination and Post-Event Operations

1. Advise counties to maintain full evacuation until the evacuation order has been rescinded and a minimum of two hours has passed since the arrival of the last damaging wave. The evacuation order will be rescinded based upon an “ALL CLEAR” signal from the National Tsunami Warning Center. The “ALL CLEAR” determination is the responsibility of local officials in consultation with NWS Forecast Offices and SERT officials. The “ALL CLEAR” message will be issued no earlier than after the last damaging wave.

2. No persons are to enter evacuated areas until the evacuation order has been rescinded. Re-entry is the responsibility of local officials.

3. Consider requesting a disaster declaration based on incurred damage.

4. Request counties to initiate preparation for damage assessments to compile information and report information to the SEOC.

D. Public Information

1. See Annex 15 (Public Information) of the SCEOP.

2. The NWS Forecast Offices have the authority and responsibility to warn of a tsunami. The NWS Forecast Offices activate EAS and other systems. State and local officials may follow with a rebroadcast of the initial EAS message.
3. **A Tsunami Warning will be disseminated to cover the affected areas by one or all of the following systems:**
   
a. EAS
b. NOAA All Hazards Weather Radio
c. Local Warning System (e.g., Reverse 911, Code Red, Everbridge, etc.)
d. Local TV Stations
e. Local Radio Stations
f. Loud Speakers (if available)
g. Route Alerting
h. Social Media
i. County Apps (if available)

4. **See Attachment E for a Sample EAS Statement and Attachment F for a Sample News Release.**

**E. Recovery**

1. SCEMD will implement the SC Recovery Plan to facilitate recovery in the disaster area after the evacuation order has been rescinded and the “ALL CLEAR” signal has been given.

2. A focus will be placed on health inspections to prevent the spreading of communicable diseases and the contamination of food and water supplies.

**F. See Attachments B, C, & D for Tsunami Checklists.**

**VII. ORGANIZATION AND ASSIGNMENT OF RESPONSIBILITIES**

**A. South Carolina Emergency Management Division**

1. Update and review biannually this Annex and coordinate plan review with applicable state agencies, local NWS Weather Forecast Offices, and county emergency management offices.

2. Provide assistance to county emergency management offices in support of tsunami planning and the TsunamiReady Program. See Attachment I – Map of TsunamiReady Counties and Communities.

3. Coordinate with local emergency management offices and local NWS Weather Forecast Offices to review procedures for disseminating tsunami products to local jurisdictions.
4. Coordinate and implement procedures to relay and/or verify receipt of tsunami products notifications to affected counties.

5. Coordinate with NOAA and local emergency management offices to determine tsunami inundation areas within the State and develop tsunami inundation maps.

6. In conjunction with county emergency management offices and local NWS Forecast Offices, develop public education tools for tsunami public education program.

7. Coordinate with local NWS Weather Forecast Offices to prepare EAS tsunami messages to include “ALL CLEAR” messages.

8. Coordinate with local NWS State Liaison Office to participate in the monthly EAS test and provide information to coastal counties.

B. Coastal County Emergency Management Offices

1. Participate in TsunamiReady Program and tsunami planning.

2. In conjunction with SCEMD and NOAA, assist in the development of tsunami inundation maps. Incorporate available information into emergency action plans.

3. Develop plans to receive and disseminate tsunami products as needed in emergency action plans.

4. In conjunction with SCEMD, local NWS Forecast Offices, SC Department of Public Safety (SCDPS), SC Department of Transportation (SCDOT), and local law enforcement offices, assist in the development and coordination of traffic management plans to ensure effective evacuation to include establishing local traffic control points/road blocks and implementing of the Hurricane Traffic Management Plan if necessary.

5. Review and identify the best methods to evacuate threatened areas. For vertical evacuations, local planning for use of multi-story, high capacity, structurally sound buildings is needed. Additionally, identification of and routing to/from these structures must be considered.

6. In conjunction with the American Red Cross and SC Department of Social Services (SCDSS), identify shelters to support displaced tourists and county population. Shelter locations should be outside the tsunami risk area.

7. In conjunction with local NWS Forecast Offices, develop public education tools for a tsunami public education and information program. Utilize materials from TsunamiReady Program.
8. Identify assembly areas for those without transportation to take to shelters.

9. In coordination with SCEMD and local NWS Forecast Offices, develop plans to issue “ALL CLEAR” signal and initiate re-entry policies.

C. Emergency Support Functions. Coordinating agencies will conduct a biannual review of their ESF-specific tsunami responsibilities with primary and supporting agencies.

1. ESF-1 (Transportation). South Carolina Department of Transportation (Coordinating Agency)
   a. Review plans and procedures and be prepared to implement plans to transport evacuated persons from tsunami threatened areas to designated shelters.
   b. In coordination with the South Carolina Department of Education’s Office of Transportation, identify school buses for evacuation of coastal communities.
   c. In coordination with the South Carolina National Guard, identify bus drivers for evacuation missions.
   d. Activate the Air Operations Branch.
   e. Identify roadways requiring post-impact debris removal.
   f. Inspect tsunami-impacted roadways and bridges.
   g. In coordination with SCDNR, develop plans and procedures to support requests for assistance post-tsunami using boats and other water craft.

2. ESF-2 (Communications). South Carolina Department of Administration, Division of Technology Operations (Coordinating Agency)
   a. Issue pre-planned radio/cell phone equipment in support of SCDPS transportation management and evacuation operations (Note: May be insufficient time to distribute equipment per plan; prioritized distribution scheme may be employed).
   b. As required, coordinate alternate communication systems to augment damaged or inoperative systems.
   c. Gather post-impact communication damage assessment information (including telephone/cellular, broadcast and commercial radio
3. ESF-6 (Mass Care)
   a. South Carolina Department of Social Services (Coordinating Agency)
      (1) In coordination with the American Red Cross and local emergency managers, identify shelters to support evacuations from tsunami risk areas. Shelter locations should be outside the tsunami risk areas.
      (2) Provide SCDSS staff to support shelter operations, as required.
   b. American Red Cross
      (1) In coordination with local emergency managers and SCDSS, identify shelters to support evacuations from tsunami risk areas. Shelters should be located outside tsunami risk areas.
      (2) Red Cross and/or other organizations may open general population mass care shelters. Red Cross shelter operations, however, are managed by Red Cross-trained volunteers and staff, while SCDSS provides augmentation to support Red Cross and local/county incident commanders that need additional shelter support.
      (3) Support local government TsunamiReady Programs.
   c. The Salvation Army
      Coordinate with SCDSS and ESF-6 organizations (State and County) to identify and address immediate unmet needs of the evacuated population.

4. ESF-8 (Health and Medical Services)
   a. South Carolina Department of Health and Environmental Control (Coordinating Agency)
      Open, manage, and operate Medical Needs Shelters as required post-event.
   b. South Carolina Department on Aging
Coordinate and implement procedures to relay Tsunami Warning and Watch notifications to Area Agencies on Aging, who are serving senior population groups in inundation areas.

5. ESF-9 (Search and Rescue)
   a. South Carolina Department of Labor, Licensing, and Regulation (Coordinating Agency)
      Posture Search and Rescue teams as close as possible to anticipated impact areas in preparation for operations.
   b. South Carolina Department of Natural Resources
      In coordination with SCDOT, develop plans and procedures to support requests for assistance post-tsunami using boats and other water craft.

6. ESF-10 (Environmental and Hazardous Materials Operations). South Carolina Department of Health and Environmental Control (Coordinating Agency)
   Assess health and environmental concerns that may affect the public following a tsunami.

7. ESF-11 (Food Services)
   a. South Carolina Department of Social Services (Coordinating Agency)
      In coordination with The Salvation Army (TSA) and the American Red Cross, be prepared to feed evacuated persons from tsunami threatened areas.
   b. American Red Cross
      In coordination with SCDSS, TSA, and local emergency managers, be prepared to feed evacuated persons from tsunami threatened areas to include populations with access and functional needs (nursing homes, health care facilities, foster care group homes, vulnerable adult population groups).
   c. The Salvation Army
      In coordination with SCDSS and the American Red Cross, be prepared to provide mass feeding and/or hydration support to
evacuated persons from tsunami threatened areas in accordance with SCEOP Annex 6 and SOP.

8. **ESF-16 (Emergency Traffic Management). South Carolina Department of Public Safety (Coordinating Agency)**
   a. In conjunction with county law enforcement authorities, develop and coordinate traffic management plans to assist with evacuation of affected areas to include establishing local traffic control points/road blocks and implementation of the hurricane traffic management planning if necessary.
   b. Support local government tsunami planning.

   a. Consult with SC Association of Veterinarians and SCDHEC concerning animal diseases and public health concerns related to a tsunami hazard, and assist with dissemination of related information to the public.
   b. As lead for ESF-17 (Animal/Agriculture Emergency Response), and in coordination with county and state emergency management, determine and procure resources needed to support animal and agricultural disaster-related issues.

10. **ESF-24 (Business and Industry). South Carolina Department of Commerce (Coordinating Agency)**
    a. Assess business impacts in affected communities as a result of the disaster.
    b. Conduct business registration for post-disaster reentry.
    c. Coordinate with the South Carolina Department of Insurance in monitoring the post-impact deployment/activities of insurance claims adjusters.
    d. In case of a Small Business Administration (SBA) eligible disaster, assist in communicating eligibility criteria to affected businesses.
    e. Facilitate donations from businesses through referral to the ESF-18 (Donated Goods and Volunteer Services) Donations Management Team.

**VIII. FEDERAL ASSISTANCE**
A. NOAA assists through its subordinate agencies to include the NWS Weather Forecast Offices, the National Tsunami Warning Center (NTWC), the NOAA Center for Tsunami Research (NCTR), and the National Geophysical Data Center (NGDC).

B. The Department of Homeland Security and the Federal Emergency Management Agency (FEMA) will implement the National Response Framework (NRF) to provide assistance.

C. The United States Geological Survey (USGS) provides earthquake monitoring and analysis support.

D. Other Federal agencies have collateral or coordinating responsibilities as identified in the SCEOP.

IX. ATTACHMENTS

Attachment A  Sample Evacuation Order
Attachment B  Tsunami Warning Checklist
Attachment C  Tsunami Watch/Advisory Checklist
Attachment D  Tsunami “ALL CLEAR” Checklist
Attachment E  Sample Emergency Alert System (EAS) Message for Tsunami Hazard
Attachment F  Sample News Release
Attachment G  TsunamiReady Map