The National Oceanic and Atmospheric Administration (NOAA) Weather Radio All Hazards (NWR) is a network of radio stations broadcasting NOAA's National Weather Service (NWS) weather, forecast, and other emergency information from nearby NWS offices 24 hours a day.

Known as the “Voice of NOAA’s National Weather Service,” NWR is provided as a public service by NOAA. As of April, 2022, the NWR network included 1033 stations covering an estimated 95% of the U.S. population. The NWR network provides coverage in all 50 states, Puerto Rico, the U.S. Virgin Islands, American Samoa, Guam, and the Northern Mariana Islands, including adjacent waters and coastal areas.

NWR is an all-hazard radio network, NWR is a single source for comprehensive weather and emergency information. NWR broadcasts emergency warning and post-event information for severe weather events and non-weather emergency events. Warnings are broadcast for both natural (such as tornadoes and volcanoes) and man-made (such as chemical and biological releases, and terrorist attacks) events as necessary. NWR is the primary actuator of the Federal Communications Commission’s (FCC) Emergency Alert System (EAS). NWR is the only federally-operated system broadcasting weather and emergency warnings to the public. Broadcast of NWR depends on reliable signal reception. Typically a reliable signal can be received up to 40 miles from a station, assuming level terrain. However, NWS stations in mountainous and urban areas may experience reduced signal reception due to signal blockage.

NOAA developed Specific Area Message Encoding (SAME) for NWR. SAME is a digital radio format that allows emergency warning and post-event information. The SAME includes the type of event, the geographic area for the event, and how long the event will last. Specificity. Warnings are broadcast when lifethreatening events are in progress or are imminent. Watches are broadcast when conditions are favorable for certain events to occur. Post-event messages can provide follow-up information to an event, such as information on events that could potentially affect your area.

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