

Ground Truth: Attack on America's Nuclear Power Plants.

Infrastructure Category: Nuclear Reactors /Transportation and water and wastewater/Dams/Healthcare and public health

Threat Details: A series of attacks has been conducted on three selected nuclear power stations in the United States by a rogue group of Anti-American Terror Group using bombs smuggled inside the plants. The targeted plants are the three largest nuclear facilities in America; The Alvin W. Vogtle Electric Generating Plant in Waynesboro Georgia, The Palo Verde Generating Station, Tonopah, Arizona, and the Browns Ferry Nuclear Plant, near Athens Alabama. Combined, these Power Plants produce 9,946 megawatts of energy making them a valuable part of the nuclear reactor's infrastructure. As the rise of the investment into alternative forms of energy has gradually grown in America the budget for nuclear energy has been redirected to fund energy harvesting processes in fields such as solar, wind and tidal energy. This has caused investors to sell their stocks in nuclear energy and invest in alternative energy sources. These events have culminated in the retrogression of Nuclear Power Plants security and overall efficiency, as the managers of the plants cut back on some security and safety measures. This enabled lighter screening tests and security measures, which was how the explosives were able to be smuggled into the plants undetected by the overworked and understaffed employees.

Alvin W. Vogtle Electric Generating Plant and the Palo Verde Generating Station only endured some structural damage to the outside of the facilities building over the reactor core as the bombs were not placed inside the building as intended by the attackers. The Browns Ferry Nuclear Plant had the worst attack and has already succumbed to a completed core meltdown and is rapidly contaminating the surrounding areas. This has created a domino effect of disasters as the radioactive particles have been released into the air, land and water systems in the facilities vicinity. Radioactive contamination is an imminent threat to the towns, cities, farms and wild habitats surrounding all the targeted nuclear plants. The immediate concern is the water supplies close to the nuclear plants, primarily the Tennessee River, Adjacent to the Browns Ferry Nuclear plant, the 652-mile-long river has already been contaminated with radioactive properties, creating a potentially international radioactive hazard if the affected water is not contained and decontaminated.

Origins of the Threat: The Anti- American terror group responsible for the attack call themselves The Anarkhia, and are a violent group of fanatical hostiles with a deep hatred of America who have sworn to terrorize America and cause as much chaos as possible.

Other Impacting Factors: This incident has national and international ramifications, people across America are being told to stay indoors to avoid any possible radiation contact. This has resulted in many businesses and companies shutting down for public health concerns. The American economy grinding to a halt has thrust people into financial strain as they are no longer able to provide for their families. This has resulted in looting and riots in cities most affected. Furthermore, with three of the largest nuclear power plants out of commission, energy costs in America have increased, resulting in more discontent amongst the general population. Additionally protests for the decommissioning of nuclear plants because of the dangers of a meltdown, whether it is an accident, or the product of an attack have increased sparking a nationwide debate generating animosity between the opposing sides. This compromising position America is in has also emboldened hostels of the United States to start pursuing their own interests of expansion with less hesitancy, as the Government at Federal and Local levels will be primarily focused on resolving the radioactive threat at home. This has added an international interest into the situation as America's Allies have an invested interest in restoring the United States back to its full capacity to help defend if any conflicts arise.

Unfolding Response: The Alvin W. Vogtle Electric Generating Plant and the Palo Verde Generating Station are assessed to be in minimal danger of a core meltdown. However, the necessary precautions should be taken to ensure if a core meltdown did happen the damage would be limited, although the damage was merely structural the two plants are still mildly unstable and insecure. Immediately the nuclear reactors need to be stabilized and any breaches of the reactors need to be sealed to limit the release of radioactive materials into the environment. The Federal Government needs to collaborate with the Local and State governments to create an effective evacuation plan for all persons within a 50-mile radius of the plants and immediately take them to an emergency decontamination site where they can be monitored for any signs of radiation poisoning and be taken care of by healthcare professionals to help avoid as many casualties as possible. It is imperative the Federal Government calls upon the United Nations to Dispatch the International Atomic Peace Agency as soon as possible to come and aid in the race against devastating radiation pollution that would have national, if not international repercussions. The Office of Nuclear Security and Incident Response needs to order the shutdown of all the dams, locks and reservoirs along the Tennessee River to contain the contaminated water thereby halting further pollution. In addition, any tributaries that are connected to the Tennessee River need to be contained in a similar fashion. Once the water is sealed the process of decontamination will begin, by either using the means of Reverse Osmosis, Ion Exchange or Carbon Filtration. In conjunction with the water decontaminations, it is vital that the decontamination of the terrain effected is started immediately.