Nuclear Waste is a byproduct of radioactive toxins produced by nuclear medicine, nuclear weapons and nuclear power plants. Due to the dangerous repercussions of working with and around nuclear waste, there are different health-related problems that can develop if exposed to it. Employees who work in and around nuclear waste plants should take extreme measures and learn the importance of proper personal protective equipment (PPE) to prevent health-related problems. If the proper protective equipment is not worn, individuals may develop health related problems such as thyroid cancer, gastrointestinal effects, and acute radiation syndrome. Improper disposal of such toxins into the environment can eventually have an effect on wildlife and ecosystems. The effects on the environment include deformities in plants and animal mutations. Data was collected using previous research studies from World Nuclear Association (WNA) and Environmental Protection Agency (EPA). The purpose of this study is to inform the general public about the unknown dangers of radiation and how this nuclear waste poses health risks, effects on the environment, and proper disposal methods.