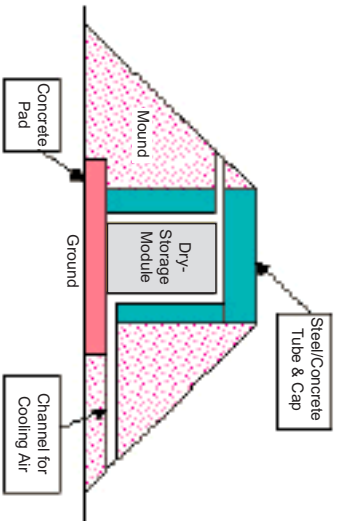


## What Would HOSS Look Like?

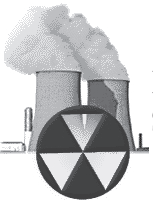
*Rather than storing dozens of vulnerable dry-casks next to each other in the open air, HOSS would involve:*

- Reinforcing the concrete and steel structures around each waste canister;
- Protecting these structures with mounds of concrete, steel, and gravel;
- Spreading HOSS modules across a larger land area. Currently, dry casks are stored about six feet apart from each other. With HOSS, waste modules would be 60-70 feet apart.



*Such a design for HOSS would accomplish two things:*

- The HOSS modules would be designed to withstand a range of weapons, explosives, and attacks - including anti-tank missiles, airliner impacts, and car bombs.
- Increased spacing between modules would mean that no more than a few casks could be damaged at once, even in the scenario of a nuclear attack.



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## How Can We Protect Our Communities from

## Nuclear Terrorism?



## Hardened On-Site Storage at Nuclear Reactor Sites

Reactor sites contain more than 1,000 times the radiation released in one Hiroshima sized atomic bomb. The US Nuclear Regulatory Commission has estimated that an attack on a nuclear reactor could result in 100,000 deaths in the first year after a radiation release, an additional 600,000 immediate injuries, and 40,000 long term cancers.

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