Company Name

Memo

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| To: | Kehinde, Jay: |
| From: | Marvin |
| Date: | June 13, 2017 |
| Re: | Fire on Ocean-going vessels |

I clearly did not communicate what is required to do what you asked for. My experience re. transportation of radioactive waste is to write declarations or reports, in opposition to similar work by experts from the Department of Energy and the Nuclear Regulatory Commission. This requires knowledge of the technical literature and defensible arguments. But I have also written fact sheets and other material for public consumption. For you, right now, I am in the process of doing the former.

This requires the following steps:

1. In a fire, defining the temperature.
2. For the cask, knowing the temperature when the cask seal is destroyed and leakage to the external environment can occur, including the time.
3. For the cask internal, knowing the temperature when fuel rods will destruct, including the time. This depends on the external temperature and the type of cask.
4. Determining the amount of cask inventory that will escape the cask interior.
5. Determining the dispersion of significant radionuclides using appropriate software. There are 240 radionuclides; I chose 3: Sr-90, Cs-137 and Pu-239.
6. Determining the radiation exposure to workers.

I am between items c and d above. It would assist me to know who the audience is and whether I should be preparing public info or a technically defensible report. Let me know.