NPRE 457

Joseph Specht

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LOCA stands for loss of coolant accident. A large break LOCA is a LOCA where the main feed-water line breaks and the area of the loss of coolant is twice the cross sectional area of the main feed-water line. A small break LOCA is a LOCA where an ancillary feed-water line breaks and the coolant leaks. Large break LOCAs are far less common than small break LOCAS, but have exponentially more catastrophic consequences. Small break LOCAs are far more common and a very easy to repair. A large break LOCA is very hard to contain and leads to more disastrous consequences. These consequences include: reactor meltdown, total coolant loss, disaster, horror, and disaster. Oh the humanity! A large LOCA has occurred! The large LOCA will cause a lot of damage. If only a small LOCA were to occur, then the damage would be smaller, but they would happen more frequently. LOCA stands for loss of coolant accident. A large break LOCA is a LOCA where the main feed-water line breaks and the area of the loss of coolant is twice the cross sectional area of the main feed-water line. A small break LOCA is a LOCA where an ancillary feed-water line breaks and the coolant leaks. Large break LOCAs are far less common than small break LOCAS, but have exponentially more catastrophic consequences. Small break LOCAs are far more common and a very easy to repair. A large break LOCA is very hard to contain and leads to more disastrous consequences. These consequences include: reactor meltdown, total coolant loss, disaster, horror, and disaster. Oh the humanity! A large LOCA has occurred! The large LOCA will cause a lot of damage. If only a small LOCA were to occur, then the damage would be smaller, but they would happen more frequently.