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**To:** Glenn Kelly  
**Date:** Wednesday, July 19, 2000 05:15 PM  
**Subject:** assumptions for SFP analysis

Attached are a list of assumptions that may impact the result.

**CC:** Christopher Boyd, Diane Jackson, George Hubbard

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**Assumptions in the Analysis**

Rack Spacing / Pool Power density / Flow Resistance

All bundle types have not been analyzed

Building Ventilation Flow fixed

Ratio of building ventilation flow to power is constant for all plants. We should probably define a building flow to power ratio to more accurately characterize the problem.

Intact Fuel Geometry / No Debris

Fuel Burnup level

No breakaway oxidation or rapid excursion from hydrides

No analysis of hydrogen generation.

Ventilation system inlet and outlet locations fixed, effect not know (FLUENT).

Recovery from high temperature non-runaway situations before the fuel rods lose structural integrity.