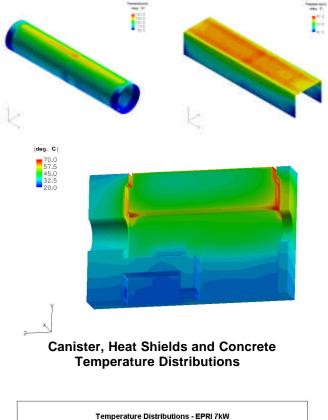
STORM/CFD2000

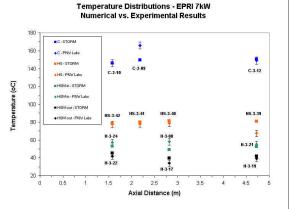
Validation for Fluid/Thermal Analysis of Nuclear Waste Storage System

Adaptive Research

A Division of Simunet Corporation

Computational Fluid Dynamics is used to perform a complete fluid and thermal analysis of a nuclear waste storage unit. Numerical modeling of the system includes thermally-driven turbulent flow and transfer bv convection. conduction and heat radiation. The CFD results show good agreement with the experimental temperature measurements available for the canister, heat shields and concrete walls. The ability to simultaneously predict flow temperature distributions patterns and makes Computational Fluid Dynamics a very efficient tool for assessing the overall cooling design of nuclear waste storage systems

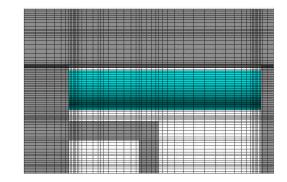






STORM®/CFD2000®

A powerful computational fluid dynamics software program developed by Adaptive Research. STORM/CFD2000 solves real-world engineering problems by simulating virtually any physical process involving fluid flow and heat transfer.



CFD2000 Grid at Symmetry Plane