

DOCKET NUMBER  
PROD. & UTIL. FAC. 50-271-DLA

## U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of Entergy Nuclear Vermont Yankee LLCDocket No. 50-271 Official Exhibit No. Entergy 38OFFERED by: Applicant/Licensee Intervenor

NRC Staff

Other

IDENTIFIED on 9/13/06 Witness/PanelAction Taken: ADMITTED REJECTED WITHDRAWNReporter/Clerk: MAC

Parameter	VY	Brunswick	Comment
Power Density, MW/assembly	5.2	5.2	Equivalent
Number of Fuel Assemblies	368	560	VY has 34% less fuel and correspondingly lower steam flow than Brunswick.
Steam Line Length, ft.	331	391	VY has 15% smaller length, though the stem flow is correspondingly less than Brunswick.
Safety and Relief Capacity, % of Steam	60	56	Equivalent
Bypass capacity, % of Steam	86	69	VY has 25% greater capacity resulting in milder pressure rise following a turbine/generator trip.
Turbine Valve Closure Time, sec.	$\leq 0.1$	$\leq 0.1$	Equivalent
Main Steam Valve Closure Time, sec.	$\leq 5.0$	$\leq 5.0$	Equivalent
SCRAM Insertion Time, sec.	$\leq 3.5$	$\leq 3.5$	Equivalent

DOCKETED ☐  
USNRC ☐September 19, 2006 (3:37 pm) ☐OFFICE OF SECRETARY ☐  
RULEMAKINGS AND ☐  
ADJUDICATIONS STAFF