TABLE 1

Structural Heat Sinks

Heat Sink	Material		Area Ft.^{2}	Thickness (in)	
Linings					
Containment Cylinder	Steel-Lined Concrete		54025	3/8	
	Lining Over Insulation		15940		
	Exposed Steel Liner		38085		
Containment Dome	Steel-Lined Concrete		28613	1/2	
Containment Floor	Unlined Concrete		15000	12	
Refueling Canal	Lined Concrete		10000	3/8	
Miscellaneous Concrete Structure	Unlined Concrete		61000	12	
Steel Structures					
Annulus Framing	Steel	163T	32600	3/8 Plate	*
		13.5T	2704	3/4	*
		90T	18000	3/8	*
Steam Generator Supports	Steel	316T	63200	3/4	*
		48T	9600	3/8 Plate	*
Pressurizer Support		13T	2600	3/8*	*
Reactor Coolant Pump Supports		48T	9600	3/4	*
		16T	3200	3/8 Plate	*
		19T	3800	3/8	*
		22T	4400	3/4	*

TABLE 1
(Continued)

Heat Sink	Material		Area Ft.^{2}	Thickness (in)	
Crane	Steel	329T	65800	1/2	
Crane Rail		9T	1800	3/4	*
Miscellaneous Iron & Steel Handrails, Rails, Grating		50T	10000	1/8	*
Seismic Restraints Hangers		100T	20000	1/2	*
Exposed Pipe			7948	1/4	*
Exposed Conduit		15T	3000	1/8	
Ductwork			22000	10 Ga. (.1382)	
Accumulators			2992	1/2	

* Steel structures that are exposed on both sides. These are listed in WCAP-8404 in categories of one-half of the thicknesses listed here.

TABLE II

Containment Heat Sink Thermodynamic Data

Materials	K (Btu/hr.-Ft.°F)	ρCp (Btu/Ft.^{3}-°F)
Stainless Steel Liner Plate	8.6	56.35
Carbon Steel Liner Plate	26.0	56.35
Structural Concrete	0.8	28.8

K = Thermal Conductivity

ρCp = Volumetric Heat Capacity