RCS ACTIVITY WORKSHEET

Nuclide	Elapsed Time Shutdown to Sample Count, t (hours)	Measured Specific Activity Ci/gm	Ingrowth and Decay Correction Factor (from BZP 380-A8, Pg. 10)	Decay & Ingrowth Corrected Sp. Activity Ci/gm	RCS Mass, (grams)	RCS Activity, (Ci)
Kr-85m						
Kr-87						
Kr-88						
Xe 131m						
Xe 133						
Xe 133m						
Xe 135						
I 131						
I 132						
I 133						
I 135						
Cs 134						
Te 129						
Te 132						
Ba 140						
La 140						
La 142						
Pr 144						

APPROVED

APR 27 1984

B.O.S.R.

CONTAINMENT ATMOSPHERE ACTIVITY WORKSHEET

Nuclide	Elapsed Time Shutdown to Sample Count, (hours)	Measured Specific Activity Ci/cc	Ingrowth and Decay Correction Factor (from BZP 380-A8, Pg. 10)	Decay & Ingrowth Corrected Sp. Activity Ci/cc	Containment Atmosphere Volume, cc	Containment Atmosphere Activity, Ci
Kr-85m					7.95E10	
Kr-87					7.95E10	
Kr-88					7.95E10	
Xe 131m					7.95E10	
Xe 133					7.95E10	
Xe 133m					7.95E10	
Xe 135					7.95E10	
I 131					7.95E10	
I 132					7.95E10	
I 133					7.95E10	
I 135					7.95E10	
Cs 134					7.95E10	
Te 129					7.95E10	
Te 132					7.95E10	
Ba 140					7.95E10	
La 140					7.95E10	
La 142					7.95E10	
Pr 144					7.95E10	

APPROVED

APR 27 1984

B.O.S.R.

(3958P)

Estimate of RCS Mass

1. Obtain the reactor coolant volume additions for the following:

Tank	Estimated Volume Added	Maximum Volume Added (gallons)
a. Refueling Water Storage Tank	_____	495,000
b. Accumulator A	_____	7,217
c. Accumulator B	_____	7,217
d. Accumulator C	_____	7,217
e. Accumulator D	_____	7,217
f. Boric Acid Storage Tank	_____	48,000
g. Residual Heat Removal System	_____	5,000
h. Other source _____	_____	
	_____ Total	

2. Convert gallons to grams as follows:

   Total reactor coolant system volume added:

   _____, gallons x 3785gms/gal = _____gms

3. Determine the Reactor Coolant System Mass as follows:

   3.22E8 grams x system specific gravity*_____=_____grams

4. Determine the Total Liquid Mass as follows:

   RCS Mass_____ grams + Added Mass_____grams= _____grams

* System Specific Gravity is determined from BZP 380-A8, page 2.

(3959P)

APPROVED
APR 27 1984
B. O. S. R.

APPROVED

APR 27 1984

B. O. S. R.

RELEASE ACTIVITY/PERCENT RELEASED

Isotope	Atmosphere, Ci	RCS, Ci	Total Activity Released, Ci	Total Corrected Core Inventory, Ci	Release Percentage, %
Kr 85m					
Kr 87					
Kr 88					
Xe 131m					
Xe 133					
Xe 133m					
Xe 135					
I 131					
I 132					
I 133					
I 135					
Cs 134					
Te 129					
Te 132					
Ba 140					
La 140					
La 142					
Pr 144					

(3958P)

APPROVED

APR 27 1984

B. O. S. R.

BZP 380-T4
Revision 2

Date: _____

Time: _____

Performed by: _____

CORE DAMAGE ASSESSMENT SUMMARY SHEET

Mode of Estimation	Percent Clad Damage		Percent Overtemperature		Percent Fuel Melt	
	<50%	>50%	<50%	>50%	<50%	>50%
Kr 85m						
Kr 87						
Kr 88	----	----				
Xe 131m						
Xe 133	----	----				
Xe 133m	----	----				
Xe 135	----	----				
I 131						
I 132						
I 133						
I 135						
Cs 134	----	----				
Te 129	----	----	----	----		
Te 132	----	----	----	----		
Ba 140	----	----				
La 140	----	----	----	----	----	----
La 142	----	----	----	----	----	----
Pr 144	----	----	----	----	----	----
Kr 87 Ratio						
I 131 Ratio						
% Zirc - H_2O Reaction						
Core Exit Temp, °F						
Core Uncovered						
Cont. Monitor (Hi Range R/hr)						
Containment Atmos., H_2						

Final Assessment: _____

_____

_____

(3958P)

FINAL