

Calculation Number: VYC-2298

Revision Number: 0

CCN: N/A

Page 37 of 41

Table 2 Summary of Site Boundary Direct Shine Doses and EPU Scaling Factors

<u>Radiation Source/Dose Component</u>	<u>Pre-uprate (mrem/yr)</u>	<u>Scaling Factor</u>	<u>Post-uprate (mrem/yr)</u>	<u>Post-uprate including Dry Fuel Storage^① (mrem/yr)</u>
Turbine bldg N-16, baseline dose	12.8	1.26	16.128	
Turbine bldg N-16, power startup	0.16	1.26	0.202	
Turbine bldg N-16, subtotal, without HWC	12.96		16.33	
North warehouse waste	1.4	1.2	1.68	
LLW storage waste	0.0991	1.2	0.119	
Old turbine rotors & casings	0.087	1.0	0.087	
Wastes and old turbine rotors, subtotal	1.586		1.886	
Administrative limit for Wastes & old turbine rotors			1.74 (Ref.24)	
Dry Fuel Storage ^①	<u>0.296</u>	1.0	<u>0.296</u>	
Total, without HWC	14.55		18.07	<u>18.37</u>
Turbine bldg N-16, HWC, 2-3 scfm H ₂ flow	0.438	1.26	0.552	
Total, with HWC, 2-3 scfm H ₂ flow	14.99		18.62	<u>18.92</u>
Turbine bldg N-16, HWC, 3-4.5 scfm H ₂ flow	0.478	1.26	0.602	
Total, with HWC, 3-4.5 scfm H ₂ flow	15.03		18.67	<u>18.97</u>
Turbine bldg N-16, HWC, 4.5-6 scfm H ₂ flow	0.557	1.26	0.702	
Total, with HWC, 4.5-6 scfm H ₂ flow	15.11		18.77	<u>19.07</u>