Rainier Commons Exterior Paint Abatement Project - Phase Three
Negative Air Machine (NAM) Worksheet
Exhibit B

During Non-Blasting periods prior to de-mobilization clearance by NVL Lab, the Negative Pressure Enclosure (NPE) shall be maintained at or above -0.02 inches of water, differential pressure, utilizing OmniAire 2000 NAMs. (During active blasting operations, differential pressure shall be maintained utilizing the vacuum dust collection system.)
Quantity of NAMs required for each Set-Up is determined as follows:

Enter Square Footage of Set-Up	13,000	Sq/Ft
Multipied by:		
Average Depth of NPE	4	Feet
Cubic Feet of Set-Up	52,000	Cu/Ft
Mutilply by:		
Number of Air Exchanges per Hour	4	
Air Exchanged per Hour	208,000	Cu/Ft per Hour
Divide by:		
60 Minutes	60	Minutes
Air Exchanged per Minute	3,467	Cu/Ft per Minute
Divide by:		
NAM Rated Output (CFM)	2,200	NAM CFM
Preliminary Quantity of NAMs	2	
Multiply by:		
Derated NAM Output	0.7	70% Efficiency
Number of NAM units, this Set-up	2.25	
Total Number of NAMs Required (Round Up)	**3**	

Minimum NAMs required for ANY Set-Up is Two

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