

# Proposed Nevada Mercury Air Emissions Control Program

## APPENDIX 1

### PRESUMPTIVE MACT

VMRP Member	System/Process Unit	Emissions Controls
<b>Barrick Goldstrike Mine</b>	Retorts (1-3)	Hg condensers and scrubbers w/carbon filtration canister
<b>Goldstrike Mine</b>	Mill Furnace/Electrowinning Cells	Baghouse/Carbon Filtration
	Carbon Kilns	Wet Venturi Scrubber/Carbon Filtration
	Autoclave Circuit	Wet Venturi Scrubbers
	Roaster Circuit	Gas quenching, wet gas condenser, wet ESP, Hg adsorption tower
	Retort Room Exhaust	Carbon Filtration
<b>Cortez Gold Mines (Placer)</b>	Carbon Kiln	Chemical Treatment, Added Wet Scrubber 10/05
<b>Pipeline Mining Operation</b>	Refinery Electrowinning	Chemical Treatment
	Refinery Furnaces	Chemical Treatment/baghouse
<b>Queenstake</b>	Refinery & Carbon Regeneration Kiln	Venturi Mercury Wet Scrubbing/Carbon Polishing System
<b>Jerritt Canyon Joint Venture</b>	West Roaster	Gas Quench Scrubber, Venturi Dust Scrubber, SO <sub>2</sub> Scrubber, Hg Scrubber, Tail Gas Scrubber, Sodium Hypochlorite Injection System
	East Roaster	Gas Quench Scrubber, Venturi Dust Scrubber, SO <sub>2</sub> Scrubber, Hg Scrubber, Tail Gas Scrubber, Sodium Hypochlorite Injection System
<b>Newmont Mining Corporation Gold Quarry Operations Area</b>	Mercury Retorts	Hg Condenser Scrubber, Carbon Adsorption
	Furnaces	Carbon Adsorption Unit
	Carbon Kilns	Venturi Scrubber, Carbon Adsorption Unit
	Pregnant & Barren Tanks	Carbon Adsorption Unit, Tank Scrubber
	Ore Preheaters	Baghouses, SO <sub>2</sub> Scrubber
	Ore Roaster	Roaster Off-gas Quench, Wet Scrubber, ESP, Wash Tower, SO <sub>2</sub> Scrubber, Mercurous Chloride Scrubber
<b>Newmont Mining Corporation Twin Creeks Mine</b>	Autoclave Phase I	Venturi Scrubber
	Autoclave Phase II	Venturi Scrubber
	Retorts (A, B, C, D)	Carbon Adsorption Units
	Juniper Carbon Kiln	Wet Scrubber/Hg Scrubber
	Pinon Carbon Kiln	Wet Scrubber
	Juniper Induction Furnaces	Baghouse