Appendix B
Facility Reclamation Characteristic Forms

Chino Closure/Closeout
Facility Characteristics Form

3A Stockpile

Function	Waste Rock Stockpile
Location	South side of Santa Rita Pit
Stormwater Flow Direction	Northerly
Regional Depth to Groundwater	5' to > 100'
Winds	Medium upwind fetch, medium downwind fetch
General Notes	Within the AOPHC
Construction Method	End dumped
Physical Characteristics	Particle size: fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	None yet, plan for stormwater control

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	34
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Kessel Stockpile

Function	Waste Rock Stockpile
Location	South of SW Lampbright, east of Rubio Peak
Stormwater Flow Direction	Easterly
Regional Depth to Groundwater	>50'
Winds	Medium upwind fetch, limited downwind fetch
General Notes	Outside the AOPHC, Permtting underway
Construction Method	End dumped
Physical Characteristics	Particle size: fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Stormwater control plans in place

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	280
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

South Stockpile

Function	Leach stockpile
Location	Southwest of Santa Rita Pit
Stormwater Flow Direction	Northeast w/in OPSDA, to Northwest outside OPSDA
Regional Depth to Groundwater	<75'
Winds	Limited upwind fetch, limited downwind fetch
General Notes	Inside the AOPHC, partly in OPSDA
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Leach
Existing Engineering Measures	PLS and stormwater collection system Toe control system All top surfaces bermed

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	508
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

West Stockpile

Function	Waste Rock and Leach
Location	West of Santa Rita Pit
Stormwater Flow Direction	Easterly drainage to pit, westerly drainage to collection systems
Regional Depth to Groundwater	<75'
Winds	Mediup upwind fetch, medium downwind fetch
General Notes	Inside the AOPHC, partly in OPSDA
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Eastern portion leach, western portion non-leach
Existing Engineering Measures	PLS and stormwater collection system Toe Control systems Interceptor wells All top surfaces bermed

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	553
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Lampbright Stockpiles

Function	North, Main and South leach stockpiles, Southwest waste rock stockpile
Location	East of Santa Rita Pit
Stormwater Flow Direction	Generally southerly to collection systems
Regional Depth to Groundwater	>5' to <75'
Winds	Medium upwind fetch, medium downwind fetch
General Notes	Partially inside the AOPHC and OPSDA
Construction Method	End dumped Top surface bermed for leaching
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Leach
Existing Engineering Measures	PLS and stormwater collection system Toe control systems North Diversion Channel All top surfaces bermed Southwest graded and watered for dust control

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	936
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Northeast Stockpile

Function	Waste rock stockpile
Location	Northeast of Santa Rita Pit
Stormwater Flow Direction	Drainage to pit
Regional Depth to Groundwater	<200'
Winds	Medium upwind fetch, minimum downwind fetch
General Notes	Inside the AOPHC and OPSDA
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Stormwater collection system Toe control systems Interceptor wells All top surfaces bermed

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	12
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Axiflo

Function	Process water and tailings emergency storage
Location	SMA, Tailing Ponds 2, B, and 4 surround
Stormwater Flow Direction	Internal
Regional Depth to Groundwater	>75'
Winds	Low upwind fetch, medium downwind fetch
General Notes	
Construction Method	Earthen dam
Physical Characteristics	Not applicable
Leach Status	Not applicable
Existing Engineering Measures	Undergoing closure

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	91
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Tailings Pond 6

Function	Tailing deposition West side inactive since 1961 East side inactive since 1988 Temporary disposal of excess water in unreclaimed area Approximately 330 acres reclaimed previously
Location	SMA, between Tailing ponds 4 and 7
Stormwater Flow Direction	Runon from Tailing Pond 4, runoff to Tailing Pond 7
Regional Depth to Groundwater	>75'
Winds	Medium upwind fetch, medium downwind fetch
General Notes	
Construction Method	Upstream
Physical Characteristics	Fine to coarse grained Low to medium saturated hydraulic conductivity
Leach Status	Not applicable
Existing Engineering Measures	Outslopes modification project, Dust Cover

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	262
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	

Chino Closure/Closeout
Facility Characteristics Form

Tailings Pond 7

Function	Tailing deposition Active since 1988
Location	SMA, south of Tailing Pond 6
Stormwater Flow Direction	Runon from Tailing Pond 6
Regional Depth to Groundwater	>75'
Winds General Notes	Medium upwind fetch, medium downwind fetch receives inflow from groundwater interceptor wells
Construction Method	Upstream, cyclone application
Physical Characteristics	Fine to coarse grained Low to medium saturated hydraulic conductivity
Leach Status	Not applicable
Existing Engineering Measures	Interceptor well system Seepage collection sump Whitewater Creek diversions Dust cover capping on outslope

Matrix of Costs
Capital Cost/Facility

Reclaimed Acres	1688
Item	**Capital Cost**
Cover Material, Rip	
Outslope Adjustment	
Seed & Mulch	
Channels, Conduits & Berms	
Capital Cost Totals	
Capital Cost/Acre	