

EPA Information Request - 9/8/11

INFORMATION	LOCATION
<u>Model Programming</u>	this is the configuration of GoldSim functional blocks and can be viewed in the Player Files
<u>QA/QC Protocols</u>	
Mine Site GoldSim	to be provided with Model Results
Mine Site Lab Data (groundwater)	4.5.2.1.3 of Ref 1
Plant Site	to be provided with Model Results
Plant Site Lab Data (groundwater)	4.5.2 of Ref 2
<u>Assumptions Regarding Model Functions and Default Values</u>	
Mine Site	pages 2 to 7 of Ref 4
Plant Site	pages 2 to 10 of Ref 5
<u>Equations</u>	
Key Mine Site Equaitons	Key equations are provided in Section 5 of Ref 1 and in Sections 8 and 9 of Ref 3
Additional Mine Site Equations	additional equations can be viewed in the Player Files
Key Plant Site Equations	Key equations are provided in Sections 5 and 6 of Ref 2 and in Section 10 of Ref 3
Additional Plant Site Equations	additional equations can be viewed in the Player Files
<u>Input Data and its Manipulation for the NorthMet Project</u>	
Mine Site	Tables of Ref 4
Plant Site	Tables of Ref 5
<u>Model Efficiency</u>	do not know what this is
<u>Model Calibration</u>	
Mine Site	3.4.1 (GoldSim) 5.6.2(XP-SWMM) 5.4.5 (MODFLOW general discussion only - details in to be submitted appendix) of Ref 1
Plant Site	3.1.1 (GoldSim) 5.4.5 & 6.1.3.1.1(MODFLOW general discussion only - details in to be submitted appendix)of Ref 2
Existing Tailings Basin Loading Model	10.2.1 of Ref 3
<u>Model Validation</u>	
Mine Site	5.6.2(XP-SWMM) - GoldSim to be provided with Model Results
Plant Site	GoldSim to be provided with Model Results
<u>Model Scenerios</u>	
Mine Site	3.4 of Ref 1
Plant Site	3.1 of Ref 2
<u>Copies of Player Files</u>	
Mine Site	can provide non QA/Qced version within one week of WP approval by Lead Agencies
Plant Site	can provide non QA/Qced version within one week of WP approval by Lead Agencies
Ref 1 = Water Modeling Data Package Volume 1 Mine Site Ver 6	
Ref 2 = Water Modeling Data Package Volume 2 Plant Site Ver 2	
Ref 3 = Waste Characterizarion Data Package Ver 5	
Ref 4 = Water Modeling Work Plan - Mine Site Ver 2	
Ref 5 = Water Modeling Work Plan - Plant Site Ver 1	