Identifier	Topic	Reference to EIS/EA Report	Summary of Comment	Proponent's Response		Subsequent Comment			
			Date: August 2015	Date: November 2015					
EMRB-NEW11	Air Quality, Model, SO2 and NO2 deposition	Atmospheric Environment TSD §3.1.4.1 EIS/EA §6.1.2.1.1	For SO2 and NO2 deposition, atmospheric concentrations were assessed, and the report noted that the interaction between air emissions and soils is anticipated to be negligible to low, and therefore not assessed further. Please clarify how this was assessed? This is typically completed through an assessment of acid deposition rates due to project acid gas emissions (SO2 and NOx). However, acid deposition rates do not appear to have been calculated/modelled in the Air Quality TSD. In addition, it is unclear which emission scenario was used to assess the air concentrations that were presented, as these are much lower than the maximum predicted concentrations in the LSA, as presented in the Air TSD. Please clarify.	are not significate off-road vehicles on-road, off-road vehicles will be Off-Road Compound Canadian with the that apply to Not vehicles will be construction time. The only significate was conservative for a daily emiss. Since EMRB has Ontario-based good the criteria province of the criteria province of the complete the following the criteria province of the compound of the compou	n assessment of Acid Deposition is not typically conducted for similar mining sites as part of the EA process as mine sites to not significant sources of acid gases such as SO2 and NOx. The largest combustion sources at the Facility will be the f-road vehicle fleet. The federal Sulphur in Diesel Fuel Regulations set maximum limits for sulphur in diesel fuel for use f-road vehicle fleet. The federal Sulphur in Diesel Fuel Regulations set maximum limits for sulphur in diesel fuel for use price of f-road, off-road, in rail (locomotive), vessels, and stationary engines and requires that the fuel used by the off-road chicles will be ultra-low sulfur diesel. This limits the amount of SO2 produced by the off-road vehicle fleet. The Federal ff-Road Compression-lightion Engine Emission Regulations align the requirements for all new off-road engines sold in anadian with the US EPA requirements so that all new vehicles will have to meet the most stringent Tier 4 requirements are apply to NOx emissions on and after January 16, 2012. The assessment conservatively assumed that the off-road chicles will be only meet Tier 3 requirements. The actual fleet will likely be required to meet Tier 4 based on the actual instruction timing and availability of used equipment. The end of significant stationary source of SO2 emissions is the cyanide destruction unit. The emission rate for this source as conservatively estimated to demonstrate compliance with the 1 hour O. Reg. 419/05. Using this hourly emission rate or a daily emission rate will significantly overestimate SO2 emissions from this process source. The end of this provided in the Alberta Government document entitled "Air Quality Model Guideline" s.7.1 have been used to complete the following screening level assessment for the Facility. The proponent's combined emissions of SO2, NOx and NH3 are greater than 0.175 t/d of H+ equivalent, calculated as Total H+ equivalent (t/d) = 2*(SO2 t/d)/(64)+1*(NOx t/d)/(46)+1*(NH3 t/d)/17 There is evidence that regional soil and surface				

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1656263

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				As indicated in the above table, the Total H+ equivalent is less than 0.175 t/d of H+. With respect to the comment concerning which emission scenario was used to assess air concentrations, please refer to the response to Comment T(2)-02, item number 1 for a summary of the assessment scenarios and inventory boundaries of each assessment. Therefore, no additional further assessment is required since the conservative emission rates are below the Alberta screening guidelines and no additional mitigation to control SO2 and NOx production is possible from the vehicle fleet.	