Dennis Gordon

Thank you for allowing me to submit my issues and concerns for the silicon smelter project. My concerns are associated with the emissions as it relates to environmental impacts and impacts to public health.

- What air emission will contain high concentrations of potentially harmful chemicals. How far will each of the pollutants remain in the precipitate air column? At what rate will these pollutants precipitate out of the air column? What is the cumulative effects of the release of these contaminates over time at varying distances from the facility? example: how much annual sulfur dioxide on a site 5 miles from the source for each year of operation.

Are the soils, vegetation and surface waters within the depositional areas able to buffer the accumulated pollutants? Considering the above, what is the risk of contaminating surface waters including waters in municipal watersheds (ie - Sandpoint's Sand Creek basin) and private domestic spring/creek collection systems?

- Will weather conditions (rain, snow, inversions) affect rate of contaminant deposition? Will there be a seasonal "flush" of contaminates and what are the anticipated concentration of contaminates during these events? ie - several months of contaminant accumulation in the snow pack followed by spring thaw and runoff.
- Can contaminants in domestic waters supplies be removed by filtration or other treatment methods? Provide options, costs and who would be financially responsible. What are the health risks of ingestion of these contaminants if water is not treated or is inadequately treated?

-How do the contaminates move through the soil profile typical of the impact area? And how do they accumulate/move within the ground water?

- What will be the impacts of pollutants have on soil flora and fauna? What impacts on stream micro and macro invertebrates, fish populations and fish diversity? Will soil and water chemistry be impacted? ie - the availability/uptake of soil nutrients is affected by soil ph. I believe that a very comprehensive, on-going pre- and post-project monitoring program. I believe pre-project (2-5 years) baseline monitoring will be critical to effectively determine in objectives are being met. I also believe ongoing implementation monitoring and post-project monitoring (possibly 10-20 years or longer after life of facility) is imperative.