

## **Karen Gogins**

I'm also with Citizen's for a Healthy Bay and follow up with some of our concerns with the feasibility study. The first problem, the feasibility study separated organic treatment, and pH treatment, even though it impact each other. The feasibility study looked at treating pH contamination but only for a tiny portion of the area contaminated with pH. The contaminated ground water cannot be moved with the technology that Occi Chem proposes to use. The FS needs to evaluate treatment options for area where pH precludes groundwater extraction of organics and determine cost for pH treatment, followed by groundwater extraction for organics removal. Now the next problem, the FS did not follow MTCA requirements for permanent remedy selection. The State Model Toxic Control Act (MTCA) requires remedies, clean contamination up to the maximum extent practicable. However, the FS does not include treatment to the maximum extent practicable, therefore, it doesn't meant MTCA requirements and our written comments we'll discuss this more thoroughly.

We do find there are problems with the poor water study, within the area where it was conducted the study indicated that contaminants are not currently discharging to the Hylebos at significant levels. However, the area of the study tested was problematic. Most notably the poor water study did not look far enough into the bay to ensure that the contaminate plume does not daylight somewhere out into the bay. This must be evaluated.

Regarding Occi proposed remedy, does not come close to being adequate. With that said, the CHB supports containment of the contaminants, maximizing removal of contaminants through pumping. MSP alternative needs to be implemented as a component of the cleanup, as soon as possible. We support implementation of one of the shallow excavation remedial alternatives for areas that are not impacted by the MSP alternative. We recommend that MSP and shallow removal looked at as a single alternative in the disproportionate cost analysis. Neither the ground water quality requirements, soil, gas monitoring requirements, indoor air sampling or sediment poor water sampling requirements are provided in the FS and therefore they're completeness cannot be evaluated.

Additional work needed following the remedy implementation, sediment and poor water sampling under Commencement Bay must be done to determine the site has impacted the bay. Stopping at the shoreline of the bay is not acceptable. Ecology needs to look at the possibility of the pH treatment to allow pump and treat in areas where pH currently precludes groundwater extraction. If there are no viable solutions are this time, the selected remedy needs to include the requirement that the potential of remedies be looked at with reasonable frequency and when possible actions implemented. Ecology needs to also explain

what the financial assurance will be for this site, since Occidental is required to operate their system far into the future.

Thank you for giving me the opportunity to speak. Thank you Ecology for holding this hearing. Thank you for your time.