Instructions for Viewing H_2S Monitor Data

To access the Odosulf Monitor web page go to the Port of Anacortes website at www.portofanacortes.com and click on Public Works/Project Updates on the left menu, then Pier 2 Sulfur Project & Information, then H_2S Monitor Data.

To log in: the user name is: ***anacortes*** and the password is: ***1234***

You will see near real-time data (delayed approximately 8 minutes) in 4 quadrants starting in the upper left and continuing in a counter-clockwise direction:

1. **Map**. The map is an aerial photograph of Pier 2 and the surrounding area. Two yellow markers show the location of each hydrogen sulfide gas (H_2S) sensor; one at the ship-loader and one east of the pier near the Port's property line. During sulfur-loading events there will be a graphic representation of H_2S concentrations in the form of a colored plume overlay. This means the H_2S sensor at the ship-loader is receiving concentration data from the off-gassing of the prilled sulfur as it is being emptied from the bottom of the truck into the hopper of the conveyor. The modeling software considers weather data such as wind speed and direction and calculates the likely concentrations of H_2S as the emissions disperse. The H_2S modeling software also takes topography into consideration. You can click on the + or – button to zoom in and out of the aerial. The red squares around the perimeter of the property are *Alert Points*. If H_2S emissions of 8 parts per billion (ppb) or higher reach any of these points, the system will send an *Alert* via e-mail to Port and Metropolitan Stevedore staff, letting them know that odors could be detectable at these points.

   The sensor near the eastern property line (perimeter monitor) detects actual H_2S levels and does not contribute data to the modeled plume display. This sensor is very sensitive and provides a check on the accuracy of the modeled plume. It will also send an e-mail *Alert* if H_2S levels reach 8 ppb at the sensor.

2. **Weather conditions**. This includes wind speed, direction, temperature, atmospheric pressure, relative humidity, and solar radiation.

3. **Event based information.** This window provides data on H_2S emissions from both monitors. Click on the tab "gas sensors" and select either sensor to view the H_2S level data. The sensor at the loader will record emissions near the truck loading area, primarily during sulfur loading events. The perimeter sensor will pick up H_2S from the loading operation, nearby vehicle emissions and possibly from low tides.

4. **Events**. This window will show all instances of H_2S detection of 8 ppb or greater at the *Alert* points. The "reports" tab allows downloading of data from any selected time period.

In the lower windows, you can hover over the points shown in the graphs and see data recorded for various dates and times.

Please log out of the site when you are finished viewing.