

Air-shed and the 1700 Acres

My name is Robert Bailey. I am a Board member of Save Helvetia and the Helvetia Community Association. From 2015 til 2025, I sat on the Intel Air Quality Advisory Committee (AQAC). I was a community representative and from the Helvetia area. Helvetia is approximately 2.5 to 7 miles due north of Intel's Roller Acres and my representation was specifically to monitor what impact Intel's air toxic air emissions might have on the residents and the agriculture of the Helvetia area. www.AQAC.org

During my tenure on the committee, we recommended and obtained a first ever (in the State of Oregon) **Risk Assessment** of Intel's chemical inventory. We were able to hire an outside consultant who was of our selection and who modeled Intel's chemical inventory (numbered some 190 different chemicals, some of which are proprietary) and with regard to their abatement technologies (scrubbers). Our consultant determined that at that time, Intel was within federal EPA limits. To validate that modeling, **ambient air quality monitoring** was conducted with another outside consultant with monitors being placed around the Intel-Roller Acres area. This monitoring validated the modeling of the risk assessment: Intel's emissions were within federal EPA standards. Save Helvetia sought to have monitors placed further north in the Helvetia area. We were successful in getting one monitor placed north of Highway 26 but it was placed behind a Liberty High School building and I considered the readings a bit suspect, as the monitor was blocked by the building. Nonetheless, I accepted the overall findings.

The Port of Portland monitors weather variables at the Hillsboro Airport. That includes prevailing winds throughout the 12 month period. A "wind rose" is compiled that displays the wind directions. It was noted that during the winter months, prevailing winds blow from the south to the north. Consequently Intel's emissions would blow north from Hillsboro and over Helvetia. During the summer months, prevailing winds blew from the NE to the SE. Intel emissions would blow from Hillsboro toward Aloha and Tigard/Tualatin.

SB 1586 seeks 1700 acres for "**advanced manufacturing**". The 1700 acres in question is due south of the eastern edge of North Plains, a residential community and a grade school. The area is surrounded by working agriculture, including a "CSA", community supported agriculture.

Any buildout in this 1700 acres should include an assessment of emissions, recognizing that half of the year, residents of Hillsboro would be subjected to emissions and the remainder of the year, facilities, residents and locations to the north would be impacted. 1700 acres of "advance manufacturing" might combine any number of facilities and processes, and the mixing of emissions might be potentiated and combined in their impacts. Determining who is responsible for what might be quite challenging.

