

SHORT REPORT TO THE COMMUNITY
Community Environmental Working Group: Accomplishments¹
(August 2007 - July 2008)

“Striving for Continuous Environmental Improvements at Intel”

Note: Accomplishments in this report that go beyond the law -- that is, steps that environmental and health regulatory agencies cannot currently require -- are marked with an arrow (→).

→**Sandoval County purchased an automated system for public emergency notification.**

- The CEWG publicized the new system and its use in emergencies per national standards.
- For improved coordination, the CEWG initiated a tour of Intel for city emergency officials.

→**Two new, improved pollution controls (thermal oxidizers) were purchased by Intel, one for regular operation and one for backup during downtime.**

- Emissions are currently treated by two Durr units, which will continue to operate along with the new units. The new units (brand name: Munters) have a record of better reliability, less downtime than the existing Durr oxidizers.
- A redundant (backup) \$2 million unit was added, a first step long sought by some citizens.
- The new units are not yet in operation, but are scheduled for operation by end of 2008.

→**The design stack height was raised on the new thermal oxidizers.**

- After closely detailed study, the CEWG recommended a height of 38.2 meters or 40 meters
- The height was raised from 23.2 meters, the height of many old stacks, to a 30-meter height
- The differing positions (CEWG's and Intel's) are detailed in a joint report entitled: *Determining Stack Height at Intel: A Joint Summary of Common Ground and Differing Views*. The purpose of the document was to jointly report differing views and the broad context of the topic -- a step in providing a more complete account of the way in which a public issue (stack height) was handled.

Air emissions from cooling towers were further reduced.

- →Biocide use in the towers was automated and optimized.
- Use of recycled water in the towers was halted, and with it possible chemical emissions (reason for change was rules about water quantities related to the shutdown of Fab 11).

→**Special CEWG reports were created and posted on the regular website.**

(<http://www.intel.com/community/newmexico/cewg.htm>)

1. The conclusions of a panel of non-Intel specialists on the local geohydrology (aquifers).
2. Air dispersion models & history, as explained by three modelers before stack height study.

→**In a public meeting, the methods and difficulties of learning public health effects of emissions were explained by two professors of epidemiology from UNM.**

- The complexity and costs of such work are the reasons the CEWG focuses its efforts on continuous environmental improvements, including reducing chemical emissions at Intel.

¹ Actual accomplishments always fall short of what might be desired, yet they still add to useful progress. The accomplishments reported here are attributable to various members of the public, public agencies, Intel management and engineers, and discussions of the CEWG.