



Community Environmental Working Group Meeting Summary

Date: December 21, 2005
Time: 5:00-7:00 p.m.
Location: Your Place or Mine, 8901 Southern Blvd, #500, Rio Rancho

Members Attending

Acting Chair: John Bartlit, NM Citizens for Clean Air & Water	Lane Kirkpatrick, Corrales resident
Hugh Church, American Lung Association	Teresa Peters, Intel
Frank Gallegos, Intel	Edward Pineda, Rio Rancho resident
	Mike Williams, NM Citizens for Clean Air & Water

Technical Support Staff

Sarah Chavez, Intel
 Andrew Moen, Intel
 Frank Robinson, Intel

Public

Roberta King, Corrales resident	Cheri Vogel, New Mexico Office of State Engineers
John Longworth, New Mexico Office of State Engineers	

Facilitator

Theresa Gunn, Gunn Communications, Inc.

HANDOUTS

- Agenda
- Potential Intel Environmental Value Statements
- Questions & Responses from SCCO2 Meeting
- Working Group December 2005 EHS Activity Report
- Intel Rio Rancho Water Conservation Program Power Point
- Chemical Use Power Point

ACTION REQUIRED

TASK	WHO	WHEN
Review Intel Environmental Value Statement and submit comments to Theresa	All	By January 15
Send out the EHS policy	Intel	By January 15
Request Intel send Steve Dickens the Risk Assessment and ask for his comments and if he is interested invite to the CEWG to present his comments	Intel	
Distribute a copy of Roberta's poem "Oxygen" to the working group	Theresa	Upon receipt from Roberta

WELCOME AND INTRODUCTIONS:

John Bartlit, acting chair, began the meeting by reading the group mission. The Working Group is committed to making continuous environmental improvements, including the reduction of Intel's chemical emissions. Membership is open to anyone who wants to help accomplish this mission. Theresa Gunn introduced the Working Group members, reviewed the meeting agenda and asked the citizens attending to introduce themselves.

Public Comment:

Robert King read a poem entitled, "Oxygen." John Bartlit asked that a copy of the poem be distributed to the working group.

Information Requests

- **Common Types of Odors** – Frank Gallegos distributed a handout of the common odors requested at the last meeting.

Working Group Questions and Comments:

- What is people's sensitivity to odor?
- How do you define some of the more common odors?
- Need consistent definition of odors.
- Odor seems to be an indicator of health affects.

Public Questions:

- List chemicals by common odor type.
- **EHS Activity Report** - Frank and Teresa Peters reviewed the December report.
- **Questions from SCCO2 Meeting** – At the October SCCO2 meeting, Intel was asked how much water is used for cleaning that could be replaced by the SCCO2 technology. Frank stated the new technology would save about 10-20% of Intel's ultra pure water use in a 300 mm factory. The ultra pure water is approximately 50-60% of Intel's total water use in a 300 mm factory.

Working Group Questions and Comments:

- The water savings seems to be low compared to people's expectations. **Intel's Response:** This would be a significant savings.
- **Chemical Use Changes** – Intel was also asked at the SCCO2 meeting if the company had stopped using a chemical because of its toxicity. Frank distributed a list of chemicals the company has replaced due to toxicity and a copy of Intel's chemical use policy which is used to determine which chemicals are used.

INTEL'S ENVIRONMENTAL VALUE STATEMENT:

John Bartlit reviewed the proposed value statements submitted by the Working Group members.

Working Group Questions and Comments:

- There has to be a commitment from Intel to implement the value statement.
- We need to use words with meaning.
- The statement needs to be broader

Public Questions & Comments:

- The statements don't look different from other statements. It needs to be more specific about the adverse impacts to the community.

INTEL'S WATER USE – PAST, PRESENT AND FUTURE:

Frank Robinson, an employee with 13 years at Intel, provided an overview and answered questions regarding Intel's water use. Copies of Frank's presentation were distributed.

- Several Intel facilities are located in very arid areas so the company has placed an emphasis on water reduction and conservation.
- The target water usage rate is 3.9 million gallons per day without conservation.
- Wastewater goes to the City of Albuquerque Wastewater Treatment Plant and is discharged after treatment.
- Prior to 1995 100% of water used was fresh water.
- Conservation - Use xeriscape to reduce irrigation water use which saves 55 gpm (gallons per minute).
- Reclaimed – using wastewater in other applications.
- Ultra pure reclaim water is used in the cooling towers/scrubbers 770 gpm reduction.
- Improve efficiency of reverse osmosis process used to create ultra pure water from 50% to 85-95%. New Mexico is the only plant to build HERO system which saves 328 gpm = 3.05 million gallons per day.
- The goal is to keep to the commitment of 3.9 million gallons per day even with plant expansion.
- 3.1-3.9 million gallons per day - % from Rio Ranch vs. % from wells.

Working Group Questions and Comments:

- Is there monitoring of water quality and water levels beyond the plant? **Response:** Initial monitoring was done before state well permit was issued.
- All of Corrales is on wells. What is the interaction between Intel and all other wells? What is the quantity and quality of the water before and after Intel? **Response:** We will need to bring in others agencies to help respond to these questions.
- Is Intel reinjecting wastewater? **Response:** No. Intel was approached by the City of Albuquerque and participated in the city's feasibility study to reinject water. The project was determined to be feasible but capital costs were very high so the project did not move forward. Intel does not reinject water into the aquifer in New Mexico.
- Is there a positive financial return to conserve? **Response:** Generally it is cheaper to use fresh water than water conservation. The cheapest source of water in most states is groundwater. However, Intel is continuing to look for ways to conserve water because it is the right thing to do.
- What are the water limits in the Albuquerque permit? **Response:** Intel has pretreatment requirements. Albuquerque monitors.
- Are metals and hydrocarbons in the water? **Response:** Yes.

Public Questions & Comments:

- 4 million gallons per day is a lot of water. **Intel Response:** Yes it is.

INFORMATION REQUESTED:

- In the substitution HCL with DCE, did the DCE pose water quality problems?
- Intel well water use vs. Rio Rancho use in gallons per day.
- CABQ interaction.
- Reports of tankage leaks to ground sent to NMED.
- What is Intel's impact since opening upon wellwater levels and water quality in Corrales? In relations to other development?
- Water quality permit monitoring & testing.

- Email from Martha Egan – Is Intel reinjecting wastewater into the aquifer?
- What is Intel's permitted water acre ft/year?
- Albuquerque water permit to CEWG.
- What is removed in pretreatment and what is removed by Albuquerque?
- Does Albuquerque take into account process changes?

NEXT MEETING

- Wednesday, January 18, 2006, 5:00-7:00 pm
- **Agenda Topics**
 - Albuquerque Wastewater Treatment staff
- March Meeting– State Engineers to discuss regulation water rights and supply – local and regional.