

MEETING SUMMARY
Community Environmental Working Group

“Striving for Continuous Environmental Improvements at Intel”

Date: May 17, 2017
Time: 5:15–7:00 p.m.
Location: Corrales Senior Center

Members Attending

John Bartlit, NM Citizens for Clean Air & Water
Mike Williams, NM Citizens for Clean Air & Water

Hugh Church, American Lung Assc. in NM
Sarah Chavez, Intel
Dennis O’Mara, Corrales resident, Corrales Residents for Clean Air and Water (CRCAW)

Non-Members Attending

Tom Armor, Interested Citizen
Lynne Kinis, Corrales resident, Corrales Residents for Clean Air and Water (CRCAW)

Valerie Brooks, Interested citizen

Facilitator

Shannon Beaucaire, Facilitator

CJ Ondek, Recorder

HANDOUTS

- CEWG Draft Agenda
- Draft Meeting Summary, April 2017
- Action-Item Progress Report
- EHS Activity Report

PROPOSED AGENDA

Welcome, Introductions,
Announcements and Brief Items
Standing Agenda Items
Action Item Progress Report

Sergeant Jackson’s Talk
Additional Business
Adjourn

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Prepared or presented by: CJ Ondek & Shannon Beaucaire
Prepared for: CEWG
Date prepared or presented: May 21, 2017

WELCOME, INTRODUCTIONS, ANNOUNCEMENTS, AND BRIEF ITEMS

John Bartlit opened the meeting by referring to the CEWG mission, which was to make environmental improvements at Intel, reduce chemical emissions at Intel, and improve community dialogue. Introductions were made.

Agenda—Revisions and Approval

No comment.

Meeting Summaries—Revisions and Approval

Lynne Kinis commented on April Meeting Summary, page 9, Mike William’s interesting questions, bottom first paragraph: “We no longer need to pursue the photochemical aldehyde issue.” She asked if that comment was based on a consensus vote. Mr. Williams said, no, it was his suggestion. Ms. Kinis said she was allergic to formaldehyde, so when she read this, she was concerned. Mr. Williams explained that formaldehyde was still an open question. Formaldehyde was associated with boilers but was not specific to chip manufacturing, so it was not necessarily representative of Intel. Dennis O’Mara reminded that Intel did have large boilers.

Ms. Kinis commented on page 9, bullet two under Question 6, regarding “...wind direction did not tell path of travel and the air fluctuations were bigger than wind. There weren’t good tools to measure this.” She said that the EHS report commented on wind direction when someone called with a complaint. Because of the unique situation of the box, she believed this statement was not accurate should be deleted. Sarah Chavez said Intel had not been including weather data in the community EHS report for the last couple years. The EHS reported that Intel had received a complaint, where it was from, and Intel’s response. The focus was on whether the abatement equipment was operating or not. She said she still tracked the weather data but didn’t include it in the report. Mr. Williams added there were times when the wind direction was relevant, but during daytime there were large fluctuations that would not allow any conclusions to be drawn about direction.

Other Announcements

Dennis O’Mara mentioned the FTIR equipment the Corrales community had purchased years ago and the CEWG’s action item of checking into its current location. He said he received an email, quite serendipitously, a few days ago from Dale Feik, who led the Oregon community group efforts to push the State to alter Intel’s revised permit to accommodate expansion. CRCAW raised the funds to buy the equipment but went through the nonprofit Southwest Organizing Project (SWOP) to make contributions tax-deductible. SWOP had the equipment in its possession for a long time and just donated it to Dale Feik’s organization in Oregon. Apparently, Mr. O’Mara said, the Oregon group planned to purchase software to operate the equipment. John Bartlit asked if the donation was the result of the CEWG’s inquiry. Lynne Kinis said she had called SWOP, who told her that the reason they had donated it to the Oregon group was because they had the

expertise necessary to both program it and read the test results. The machine needed repairs, and the Oregon group had the money for parts and repairs. She said if Oregon found some kind of proof of Intel data discrepancy that also helped Corrales, so she was glad for the donation.

Sarah Chavez reminded that Intel had annually tracked data on every scrubber for the past 17 years. She understood there were concerns in the community about Intel's data, but Intel still collected it annually. Mr. O'Mara said he hoped the Oregon community group could get the FTIR equipment running and collect the data to verify Intel's data.

Lynne Kinis asked if she was correct in assuming the FTIR testing on scrubbers was done inside the stacks before emissions were released. Sarah Chavez said regulators prescribed that testing be done in the stacks. Ms. Kinis said she recalled that when three different FTIR machines (Intel, NMED, and CRCWA) were testing, there was variance not among the three machines, but in Intel's statements about it. Ms. Chavez said she could not recall the chemical they were testing then, but one of the issues of verifying data using open path source was that Intel was not the only source of the emissions. Intel tested what was coming out of their stacks, and that might not match what was tested in the community because Intel was not the only source of the emissions.

Ms. Chavez confirmed that Intel currently used an FTIR to test inside the stacks, but it was not an open path FTIR. This stack testing method was the protocol set up in Intel's regulatory permit. Ms. Kinis responded that Intel's testing method did not allow for synergistic effects. The open path FTIR collected released chemicals combined with other chemicals. All three FTIRs picked up phosgene, which was released from automobiles, but also the synergistic effects after the chemicals came out of the stacks created phosgene. Therefore it was just as important to test within the stacks and as well as out. Phosgene was a killer, Ms. Kinis said.

Dennis O'Mara said he would have to research the formula and ingredients that make up phosgene. But, with emissions from scrubbers and oxidizers lingering above the Intel plant, the temperature and other conditions could theoretically exist for phosgene to be created and drift into the community.

Dennis O'Mara asked Mike Williams what would be the ideal method to look at hydrogen fluoride (HF) concentrations at this time. Mr. Williams said measurements should be taken from the ambient air. Mr. O'Mara asked if an FTIR were available, could it be programmed to measure a specific chemical or set up to look specifically at HF. Mr. Williams said he was not an expert in how the FTIR worked, but it looked at a range of things, which was the reason behind the argument for its not necessarily providing valid data. But, Mr. Williams said, HF was most likely affiliated with a chip producer.

Mike Williams said he recalled that at the time of the CRCAW task force three open path FTIRs were used. Ms. Chavez said only two open path FTIRs were used in the CRCAW air quality task force. NMED contracted someone, Intel contracted someone, and she did not know if the community's FTIR was operating at the time. Ms. Kinis disagreed. She said Jim Casiano had said that all three FTIRs picked up phosgene. Ms. Chavez said she recalled CRCAW did not share their data with anyone, because they did not have anyone to analyze it. Ms. Kinis said she believed a friend of Fred Marsh's analyzed the data.

PUBLIC COMMENT

None

STANDING AGENDA ITEMS

EHS Report

Sarah Chavez described the EHS Report. EHS stood for environmental, health and safety, and it was a report Intel provided to the CEWG only that listed all the regulatory information Intel provided to agencies, inspections, etc., and onsite construction activities. It also reported all calls, including complaints, from the community and the internal process Intel used to respond to the calls. Ms. Chavez also mentioned the Web site, www.exploreintel.com as a place to get more detailed information on abatement equipment operation. Much of the information was standard.

Ms. Chavez said that Intel received one call from Zone 1 neighborhood association requesting walking path maintenance.

Regulatory Engineering Update

Sarah Chavez said there was no update.

John Bartlit said the idea behind regulatory engineering was to apply more of the "smart" tools behind many modern scientific miracles to the regulatory environment. He had written a small booklet about it and would give the new meeting attendees a copy at a future CEWG meeting.

UNM Cancer Study

Dennis O'Mara said that people in the Corrales area had complained over the years that cancer rates were higher than normal. All cancers are reportable to the State Health Department, who has a contract with the UNM Tumor Registry Center to collect this data. Mr. O'Mara, on behalf of CRCAW, approached UNM a year and a half ago to investigate cancer rates in the area via 12 census tracts that surround the Intel plant: 2 in Corrales, 4 in Rio Rancho and 6 in Northern Albuquerque. They were asked to collect

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data from 2000 to 2016. By September of 2016, UNM had collected preliminary data from 2006 to 2013. The challenge was that prior to 2006, Census tracts were different, and UNM needed to be consistent in terms of comparative data. Mr. O'Mara said that for each census tract, UNM was able to determine the expected cancer rate and compare that to the actual number of reported cases. If the study is ongoing but on Monday, May 15, Mr. O'Mara said he spoke with Dr. Chuck Wiggins, the person in charge of the study, who apologized for putting it on the back burner. He promised to move it back to the front burner. Mr. O'Mara said when the study was completed, it would go in front of an internal review committee before it was finalized. He was hopeful that it would be completed in a couple of months, and the study would be a credible answer to the question of whether cancer rates were higher around the Intel plant.

Lynne Kinis said that years back the CRCAW became aware of a cluster of breast cancer cases in a Corrales cul de sac that the majority of women did not report. Dennis O'Mara said cancer was reportable by law in New Mexico, and probably with each passing year the system grew more effective, at least that was his experience working at the Centers for Disease Control working with various types of disease surveillance systems. This study was looking at Census tracts, and there were about 4,000 people in each Corrales Census tract. The census tract is t an ideal unit for studying disease incidence and prevalence because the census offers detailed demographic data for each one. Twenty people living in a cul de sac would not be representative of the broader population, and so it study results on such a small population would not be statistically significant.

REVIEW ACTION ITEM PROGRESS REPORT

Sarah Chavez reported on item #3. She said she was finished with renaming and reorganizing CEWG documents. She said some files had very long names, which the system automatically truncated. She now had to go through and shorten and rename some files. Also, some files were duplicated, and it didn't make sense where they were located. Ms. Chavez said she would email the group for their feedback on her recommendations about moving certain files. She also said a few files did not have dates, so she would check the thumb drive for clues about the date the files were made.

ACTION ITEM: Sarah Chavez will email the group her recommendations about moving duplicate files to a new location. The group will provide feedback on her recommendations.

For item #4, Shannon Beaucaire said she had reached Mark Bennett and learned that the January 2015 meeting was cancelled due to inclement weather, and she found the February 2015 Meeting Summary, so it was now filed correctly. She decided to put a placeholder that said "no meeting held this month" as a way to definitively communicate meeting cancellations. She said she had now reached 2010. She found paper documents for this time period, which were getting damaged, but no digital documents. So, she has begun scanning and saving these paper documents into a more permanent digital file. She

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hoped to find other EHS reports among the paper documents. She said she would ensure all digital files were backed up.

Sarah Chavez reported on item #5, saying she forgot to follow up with Dr. Fisher about contacting Dr. Kesler.

For item #6, Sarah Chavez said Liz Shipley had contacted Ann Kelleher but there was still no movement on the award proposal.

Dennis O'Mara said item #8 was completed.

Dennis O'Mara reported on item #12, Carolyn O'Mara's review of the one-page handout. He said she was waiting until all the suggestions had been submitted. . The two suggestions so far were to add the Web site and delete a duplicate date/time. Mr. O'Mara said he would let Carolyn O'Mara know when the document was ready to finalize.

ACTION ITEM: Dennis O'Mara will inform Carolyn O'Mara that the one-page handout was ready for finalization.

Hugh Church said he found an email from 2011 pertaining to the weather trailer on Camino Los Cerros Road. It was placed there on January 28, 2011, and had remained there for almost two years. He had tried to get access to the data, and completed paperwork via the Public Records Act to access it. Just about the time he was preparing to get data, Terry Hertel, Mr. Church's contact at the Air Quality Bureau, was transferred to another unit. He was then referred to Roman Szkoda, who, by the way, was still the Air Quality Bureau manager today, but Mr. Church said he never tried to contact him. He asked Sarah Chavez if she would contact Mr. Szkoda. Ms. Chavez recalled that wind data from the mobile station did not exist, and that she would check the meeting summaries for more information about it. Mr. Church said that the data only listed wind speed and direction, and maybe they should write it off as a false cause. Ms. Chavez said she would still search the meeting minutes for information. Mr. Church said he had recalled that they had saved the data, but the question was what kind of information as in the data.

ACTION ITEM: Sarah Chavez will check the meeting summaries for more information on the status of the data from the mobile weather station on Camino Los Cerros Road.

SERGEANT JACKSON'S TALK

Dennis O'Mara said Sgt. Jeremy Jackson, from the National Guard Armory in far northwest Rio Rancho, agreed to come to the CEWG meeting in June. The Armory had about 20 active duty military personnel stationed there whose purpose was to respond to serious chemical, radiological, and biological incidents. Mr. O'Mara said he was

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impressed by the quality and quantity of equipment the unit had to use in the event of a crisis.

Mr. O'Mara said Sgt. Jackson was comfortable with the CEWG's advertising the talk to the public. However, Sgt. Jackson did not want to be interviewed or involved with media because that required approval from higher ups. Mr. O'Mara said Sgt. Jackson informed him that their unit had a pamphlet with boilerplate information that the CEWG could use for advertising. Mr. O'Mara said he would follow up to get a copy.

ACTION ITEM: Dennis O'Mara will follow up with Sgt. Jackson to acquire his unit's brochure to use in advertising the talk.

John Bartlit asked if Sgt. Jackson would be okay with Mr. O'Mara's writing an article. Mr. O'Mara said he didn't know.

Shannon Beaucaire said with the way the CEWG ad was currently designed, they could drive traffic to the CEWG Web site and post the brochure there. Dennis O'Mara said he could get the *Corrales Comment* and the *Rio Rancher Observer* to place announcements about the talk if the CEWG gave them something in writing. John Bartlit said the Village Council had a community calendar. Considering the challenge with getting approval for changing the CEWG monthly ad, Mr. O'Mara offered to help publicize the talk as an individual and clearly state that there would not be any interviews. Sarah Chavez said she was willing to work with Dennis O'Mara to publicize the event.

Dennis O'Mara added that he could reach out to Chief Dave Bervin of the Sandoval County Fire Department to send a news blast about the talk to his listserv, which is quite extensive. Also, Mr. O'Mara said he had access to several organizations' e-mail distribution lists in Corrales, and to "NextDoor," an online email neighborhood. Lynne Kinis said she could tell the CRCWA about it.

ACTION ITEM: Dennis O'Mara and Sarah Chavez will work together to spread the word about Sgt. Jackson's talk at the June CEWG meeting.

John Bartlit asked about the talk format. Mr. O'Mara said he requested Sgt. Jackson to give the same talk he gave to local emergency planning groups, and that talk went for about 30 to 35 minutes. Also, Sgt. Jackson would answer questions afterward for about 15 to 20 minutes for discussion. Shannon Beaucaire asked Mr. O'Mara to put her in touch with Sgt. Jackson to work out presentation logistics. John Bartlit said they could organize the CEWG agenda around Sgt. Jackson's convenience.

ACTION ITEM: Dennis O'Mara will put Shannon Beaucaire in touch with Sgt. Jackson to work out presentation logistics.

ADDITIONAL BUSINESS

ADJOURN

NEXT MEETING: June 21, 2017, 5:15 to 7 pm, Corrales Senior Center.

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