

FINAL MEETING SUMMARY

Community Environmental Working Group

“Striving for Continuous Environmental Improvements at Intel”

Date: July 15, 2015
Time: 5:00–7:00 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

Non-Members Attending

Ron Eppes, Intel
Mark Radford, *Corrales Comment*
Natasha Martell-Jones, Intel
Shelley Shillrock, Corrales resident

Facilitator

Mark Bennett, Facilitator

CJ Ondek, Recorder

HANDOUTS

- CEWG Draft Agenda
- Draft Meeting Summary, June 2015
- Action-Item Progress Report, July 2015
- EHS Activity Reports

PROPOSED AGENDA

- Welcome, Introductions, Announcements and Brief Items
- EHS Report and EPA 114 Update
- Review Action Item Progress Report
- Preparation for Release of ATSDR Report
- Discussion of Hiring New Facilitator
- Stack Testing: Proposal on Data; Certification of Testers; Web Site Documents Naming Protocol
- New Business
- Adjourn

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WELCOME, INTRODUCTIONS, ANNOUNCEMENTS, AND BRIEF ITEMS

John Bartlit opened the meeting by stating the CEWG mission, which was to work towards continuous environmental improvements at Intel and improved community dialogue. Introductions were made.

Agenda—Revisions and Approval

- Sarah Chavez added to her 6:00 pm agenda item the discussion around the naming protocol for documents posted on the CEWG Web site.
- John Bartlit said he had compiled a history of CEWG discussions and decisions related to the ATSDR draft report. He said it was important that the CEWG review and agree on the history of this process in time for the ATSDR final report meeting. He said his purpose for compiling the document was to clarify any misperceptions or incorrect information. Mark Bennett suggested adding this issue as a discussion point under the “Preparation for ATSDR Report” section.

Meeting Summaries—Revisions and Approval

Hugh Church commented on the May 20 Meeting Summary, page 7, last bullet, and the issue of “if there might have been a problem on disposal.” He said he had contacted Amy Miller at PNM, who said “No power surge, spikes or outage. All the trouble was on the customer side of the meter.” Mr. Church reminded that the press had said PNM had a big surge, but that wasn’t true. He asked that this be revised in the May Meeting Summary.

ACTION ITEM: Mark Bennett will correct the May 2015 Meeting Summary as per Mr. Church’s request.

ATSDR Update

- John Bartlit said the news from Peter Kowalski was the same this month as last month, and he thought that was good news because it meant nothing had changed in the schedule. He mentioned that Jeff Radford had written an article about the meeting schedule in the *Corrales Comment*, and he wanted everyone to have the link to this article: <http://www.corralescomment.com/index.php/archive/56-volume-xxxiv-issues-from-february-2015-onward/3075-report-on-intel-health-effects-by-early-september>
- John Bartlit said the final ATSDR report should be out to the public by mid-August, but there was no specific date. Mr. Kowalski’s plans were to come to New Mexico the week of August 31 or early September.
- Dennis O’Mara asked if there was any information on the venue. Mr. Bartlit said Mr. Radford’s article mentioned the “Old Church” as a possible venue for both Marcy

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Brandenburg's meeting as well as the public meeting. Mark Bennett said the Old Church had a capacity between 130 and 160 people.

- John Bartlit said that Mr. Kowalski was still planning to honor a demand for an extended public meeting. CJ Ondek asked if the option of holding a longer public meeting was considered rather than coming back for a second night. Mr. Bartlit asked the group what they thought of the idea of holding a two hour meeting on results, and then a one hour on methodology. Dennis O'Mara said it would be nice to have flexibility on the meeting time length and not to artificially close it down. If the conversation lagged after a couple a hours, then the meeting could come to an end. Mr. Bartlit said he would be happy to email Mr. Kowalski about this option. Everyone agreed that it was worth making the attempt.

ACTION ITEM: John Bartlit said he would email Peter Kowalski about the possibility of holding an extended meeting rather than two nights.

- Jeff Radford said he asked Peter Kowalski to consider inviting Lynne Flowers, an epidemiologist who peer-reviewed the ATSDR report, to provide a session on epidemiology during the ATSDR meeting. Dennis O'Mara said that a discussion of methods should not interfere with a more meaningful discussion of results.

ACTION ITEM: John Bartlit said he would convey both an extended meeting option and inviting Lynne Flowers to Peter Kowalski.

Regulatory Engineering

John Bartlit said his visit to a California college was moved to end October from end July. He said he would take with him a book entitled *Regulatory Engineering: Prospectus and Primer*, which was made up of about a dozen of his columns. Sarah Chavez mentioned two Intel initiatives—the Internet of thing and sustainability—that Mr. Bartlit would explore about tying to regulatory engineering. Mr. Bartlit also brought up Intel's idea of conducting a market survey of Intel's current actions that could be used in a regulatory engineering application, and what regulatory needs there were that could be met by a new product.

Announcements

- Dennis O'Mara reported that the local Emergency Management Committee met on July 10 at the new emergency response building in Rio Rancho. Two main topics discussed were: 1. The emergency preparedness guide for the community; and 2. How to distribute it. Mr. O'Mara said the draft should be finalized within a couple of weeks. The most viable distribution option was to put it on the Sandoval County Web site, but they would also like to make a print version available to the public at community events. Estimated printing costs for 7,500 copies ranged from \$2,500 up to \$10,000. They also discussed

the possibility of reviewing the Tier 2 reporting process and report content. The next meeting would be in October. John Bartlit said it was appropriate for the CEWG to publicize the availability of this guide.

- John Bartlit said he and Mike Williams reviewed a copy of ERM's technology assessment of pollution control abatement technology and made comments at the request of Dennis O'Mara. Mr. Bartlit said he emailed his comments to the group and conveyed his comments to Intel. The gist of his comment revolved around the notion of a first stage and second stage that was not discussed. Sarah Chavez contacted ERM to get their input on Mr. Bartlit's comments but had not heard back. Mike Williams said one of the problems he saw was that ERM couldn't get reliable measurements, and they needed to resolve that issue.

Public Comment

Dennis O'Mara noted he had read in the press that IBM figured out how to produce a seven nanometer chip using a silicon wafer with a germanium element and ultraviolet light. He said he couldn't find out if the manufacturing process also involved chemicals, but he hoped it didn't. Mr. O'Mara agreed to share updates on this topic with the CEWG.

EHS REPORT AND EPA 114 UPDATE

- Sarah Chavez discussed the EHS activity report. She said the TRI report went to Sandoval County, and it would be posted on the Web site. Ms. Chavez said it was not the same as the Tier 2 report, though it was similar. The TRI report gave an inventory of chemicals and their thresholds, and corporations had to report any chemicals over the threshold.
- Sarah Chavez reported on Intel's drill with the Rio Rancho Fire Department, which would take place Saturday, July 18 and Sunday, July 19. The fire department planned to practice a scenario around a vehicle fire in Intel's second level parking garage. The test did not really involve Intel in the response. Intel's participation was in testing their fire hose system; this was not an active drill with Intel's emergency response team. The Rio Rancho Fire Department wanted to practice at Intel since it was the only multistory parking lot in the area. Ms. Chavez said that Sunday at 9:30 am was open to observers, and if anyone were interested to let her know by end of day on Thursday (July 16). She warned that there were no elevators in the garage, and observers would have to walk up the ramp. Natasha Martell Jackson added that although the smoke simulation should not travel outside the garage, the fire department issued a media release to the community and 911 operators about the test, just in case.

ACTION ITEM PROGRESS REPORT

- Sarah Chavez said items 13 and 14 were done. She said she would give an update on item 12 later in the meeting.
- John Bartlit confirmed he had accomplished item 11.
- On item 9, Dennis O'Mara said Mark Bennett had given him contact information for the New Mexico Department of Health to learn more about ALS disease in New Mexico. Mr. O'Mara said he had contacted Ms. Haggard, who was very helpful and sent references for data and information on ALS, as well as a contact number on the environmental side. Mr. O'Mara said he had contacted the person on the environmental side, but they were playing phone tag. He also had learned that no state had a reporting requirement for ALS, as it was not a reportable condition at this point, but other reporting entities were out there that might provide statistics. Mark Bennett asked Mr. O'Mara if he needed time to place this topic as an agenda item. Mr. O'Mara replied that an update at the beginning of the meeting would be sufficient at this time.
- Dennis O'Mara asked for an update on item 5. Sarah Chavez said Intel planned another class to reach more employees about developing ideas to reduce emissions, and she estimated 18 employees would attend. She said no one from the first class had contacted her yet about having a great idea. She reminded that since technology changed all the time, the process was time consuming and included testing, piloting and validating. It might be a couple of years before any significant change was made.

PREPARATION FOR RELEASE OF ATSDR REPORT

Mark Bennett asked what needed to happen to prepare for the release of the ATSDR report.

- Dennis O'Mara said to give key players like Corrales Village officials, Rio Rancho officials, emergency response people, NMED, Air Quality Bureau, etc. a heads up that the ATSDR report release date was approaching. He said he was concerned that ATSDR would not give enough time to plan and promote the event properly.
- Mark Bennett said the CEWG could send an e-blast if they had a list of email addresses. Some of these individuals might already be on the newsletter list. If the group gave him some ideas, he could create an e-blast via Constant Contact. Sarah Chavez suggested to start creating a list and to gather addresses from agency Web sites. She thought that Air Quality Bureau people might be on the CEWG list serv already. John Bartlit suggested referencing Jeff Radford's article in the *Corrales Comment* that had dates and possible

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venues. Jeff Radford suggested that Peter Kowalski might have people on his list too, and to contact him for names.

- Jeff Radford said that he was willing to publish meeting information, but since he only published twice a month it would be hard for him to execute a quick turnaround.
- Dennis O'Mara volunteered to be the recipient of names and email addresses, and he would send the collected list to Mark Bennett. Mr. O'Mara volunteered to write text for the e-blast. Mark Bennett said he would create an e-blast on Constant Contact and send out to the group for approval. The group set a deadline of August 1 to launch the e-blast.
- Mark Bennett reminded that he would be out of the country from July 20 until the August meeting but would be available by email.

- ACTION ITEMS:**
1. Mark Bennett will send everyone a list of the current CEWG list serv members.
 2. The group will send names and emails of people to receive the ATSDR report release teaser e-blast to Dennis O'Mara.
 3. Dennis O'Mara will create e-blast copy and send both that and the collected names and emails to Mark Bennett.
 4. Mark Bennett will mock up a Constant Contact e-blast and send out for review. After the e-blast was approved, he would send it to the list serv.
- Mark Bennett asked how they should use the August meeting. The report might be available for review then. John Bartlit added that Mr. Kowalski's goal was to get it to the CEWG by the August meeting. Sarah Chavez asked what they would do with it if they got it that day. Dennis O'Mara said the CEWG needed to meet to make final preparations, and issues and details would naturally arise that they needed to address at the August meeting.
 - Mark Bennett introduced John Bartlit's draft "Record of CEWG Concerns with the ATSDR Draft Report." John Bartlit said the document was intended to show CEWG discussions around the issue, why they made certain decisions, and to clarify misperceptions. Dennis O'Mara added a couple sections to the documents.
 - Mark Bennett said the group should work together to edit a final document. He projected the draft document on to the screen, and the group worked to edit the document together.

- Sarah Chavez suggested to title the document as “CEWG Discussion and Decisions Around ATSDR Final Report” rather than using the word “Concerns,” because it better captured the document’s nature. John Bartlit said the “concerns” were the questions that were sent to Peter Kowalski. He said changing the title was fine with him.
- John Bartlit commented on Dennis O’Mara’s additions, one of which concerned his letter sent to NMED. The CEWG discussed the letter and did not want to send it. Instead Mr. O’Mara sent it as an individual community member. Mr. Bartlit asked if it was appropriate to include the addition about Mr. O’Mara’s letter, since it was not a CEWG action item. Mr. O’Mara said he had read his letter and ensuing communications with NMED into the meeting summaries, so it was part of the public record. Sarah Chavez asked if dates should be included in the history. Mr. Bartlit said they had discussed the ATSDR issue at every meeting for at least a year.
- CJ Ondek gave the Meeting Summary date in which Mr. O’Mara read the response he received from NMED’s Richard Goodyear. **That Meeting Summary date was October 15, 2014.** Also, in that same October 15, Meeting Summary, Mr. O’Mara noted that “he was puzzled by Mr. Goodyear’s response, because Mr. Kowalski clearly was shocked that NMED had distributed the draft to Intel” (page 2). Also, **the May 21, 2014 Meeting Summary** noted that “Mr. Kowalski did say that every page had a gray band across it with language saying to the effect it was a provisional draft that should not be quoted or cited.”
- The group went on to discuss aligning the document with language in the preamble. Sarah Chavez read the preamble out loud, and noted that the preamble used the term “questions and comments” rather than “concerns.” Dennis O’Mara suggested leaving “questions and concerns.” John Bartlit agreed, as did Mike Williams.
- Jeff Radford asked if he could get a copy of the “history.” CEWG members gave their consensus to give Mr. Radford a copy.
- Mark Bennett said he would send the edited document to the CEWG for approval. Once approved, he would send the finalized document to Jeff Radford
- Mike Williams asked if Peter Kowalski would send printed copies of the ATSDR final report. Sarah Chavez said last time he posted it to the ATSDR Web site and mailed hard copies to the library and other locations. Ms Chavez said she would print out hard copies of the report, which was 27 pages, and time permitting, she would print out the appendix, which was much longer otherwise she would make arrangement to print the appendix.

Jeff Radford said he would publish the final ATSDR report in the *Corrales Comment* over 3 or 4 issues.

DISCUSSION OF HIRING NEW FACILITATOR

Mark Bennett said he was going to be traveling more, which meant he would have an unpredictable schedule, so it would be harder for him to make a commitment every third Wednesday of the month for the calendar year. Therefore, he said he decided to step down as facilitator and would stay on through end of the year. He would work with the CEWG to facilitate a smooth transition.

- Sarah Chavez said Intel planned to use the same process as when Stephen Littlejohn resigned. They created an RFP and sent it out to a facilitation list serv. Intel conducted the first round of reviews, and then the CEWG interviewed three candidates. The goal was to hire someone by October to give the new facilitator time for transition, and therefore the aim was to conduct interviews by end September. Ms. Chavez asked if this process was satisfactory. The group said yes.

STACK TESTING: PROPOSAL ON DATA; CERTIFICATION OF TESTERS

- Sarah Chavez said John Bartlit sent an email on certification of testers, which she sent on to ERM and was awaiting their response. Questions asked of ERM were what kind of certifications and/or training did they use, if any. She will report when she hears back.
- Sarah Chavez discussed the stack testing data proposal. There were two sets of data she would bring back to the September CEWG meeting. The first looked at water usage (well water and wastewater) before, during, and after testing to show production was operating normally. John Bartlit said she should mention that a high percentage of water used was used in production.
- Ms. Chavez said the second data set was over time comparable to past years. She asked if it were acceptable to compare intervals of 8" and 12" wafer technologies and plot the data in a graph to show what the data looked like over time. John Bartlit asked if the chemicals changed based on 8" or 12" wafer. Ms. Chavez replied that there wasn't a huge change of chemicals over time. There were four compounds Intel used consistently over time: total VOCs (which did not give individual chemicals), Hydrogen Fluoride, Hydrogen Chloride and Chlorine, and these were the data points Ms. Chavez would provide for years 2012, 2015, and a year from 8" and 12" production and the first year tested. Then they could see these points plotted over time in a graph. She emphasized that this was stack data only and not a picture of total emissions. Ms. Chavez asked Mr.

O'Mara if her proposal was satisfactory. Mr. O'Mara said yes. Everyone was agreeable to Ms. Chavez's proposal.

- Hugh Church asked where Intel wastewater combined with the City's treatment plant system. Ms. Chavez replied on the corner of Rte. 528 and Westside Drive, right after the county line.
- Sarah Chavez said a naming convention or protocol was never established for documents on the CEWG Web site. Unless a document was opened, it was hard to know what information it contained. Ms. Chavez proposed renaming the documents according to date—year, month, day—document title and author, if possible. The documents were located in three places: a hard drive, thumb drive and Web site. Mark Bennett added that this was the archival and backup system Stephen Littlejohn had created, which he then passed on to Mr. Bennett. Mr. Bennett also added that a thumb drive would be kept with the archived documents exactly as they are right now to use as a benchmark.
- Ms. Chavez proposed to provide Mr. Bennett with a thumb drive. He would copy all the documents on to this thumb drive for Ms. Chavez. Mr. Bennett would give Ms. Chavez access to the Web site architecture, so she could go in, rename the documents on the Web site and transfer them to a thumb drive to give back to Mark Bennet to upload into a hard drive. She would keep a log of the old file name, the new file name and the date of the change, and then create an index with the old name and new name. Some documents were not PDF files, so she would convert all the documents to pdfs. She would leave Intel documents as "Intel" rather than post an author name for clarity's sake. She said her goal was to complete this task over the next several months. Ms. Chavez said she did not know how many documents were included on the Web site. The purpose was to make it easier to find documents, since right now it was a bit chaotic.
- Members of the group present agreed with Ms. Chavez's proposal.

NEW BUSINESS

Jeff Radford inquired about bromoform, and whether this chemical was part of Intel's emissions. He asked if bromoform was hazardous, and if it was still being emitted. He described an incident he had around breathing the air near a Walgreen's and wondered if it was connected to bromoform. Sarah Chavez said bromoform was a hazardous biocide that was emitted through the cooling towers. However, Intel recently replaced bromoform with salt, so it was no longer being emitted. She said she couldn't speak to the time frame Mr. Radford discussed.

MEETING ADJOURNED

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NEXT MEETING: August 19, 2015, 5 to 7 pm, Corrales Senior Center.

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