

Community Environmental Working Group

INDEX OF TOPICS, ACTIONS, AND LINKS

October, 2018

Note: For resultant improvements made relevant to each topic, see annual reports.

Topic	Date & Action Month/Year	Links At our website
Air dispersion modeling	5/06: Discussed 6/06: Heard report of meeting with NMED. 11/07: Discussed the need to learn more about modeling. 12/07: Heard a panel on modeling. 12/15: Heard report from Mike Williams reviewing past actions and current conditions connected with modeling 1/16: Heard suggestions for following up on options for understanding air quality	Meeting summaries--5/17/06, 6/21/06, 11/19/07, 12/19/07, 12/16/15, 1/20/16 Dispersion Modeling History Modeling Presentation Dec 07 2007-2008 Short Report to the Community
Air Sampling	4/12: Heard report on air sampling. 5/12: Heard special presentation on air sampling methods. 12/17: Discussed air sampling by NM National Guard. 1/18: Discussed air sampling by NM National Guard. 2/18: Discussed air sampling by NM National Guard. 3/18 – 6/18: Discussed air sampling protocols for NM National Guard.	Meeting summaries—4/18/12, 5/16/12, 12/20/17, 1/17/18, 2/21/18, 3/21/18, 4/18/18, 5/16/18, 6/20/18
Air permit (See Permits)		
Ammonia wastewater	10/08: Learned that a new wastewater treatment system for ammonia removal will be implemented. 11/08: Heard report on new treatment system. 12/08: Learned it is not possible to treat other ammonia streams with this method.	Meeting summaries--10/15/08, 11/19/08, 12/17/08
ATSDR	5/05: Heard status report on visit. 3/07: Authorized letter requesting status. 11/07: Discussed ATSDR public meeting 1/09: Discussed upcoming public meeting.	Meeting summaries--5/18/05, 3/21/07, 11/19/07, 1/21/09, 2/18/09, 3/18/09, 4/15/09, 7/17/13, 10/16/13, 1/22/14, 2/19/14, 3/19/14, 4/16/14, 5/21/14, 6/18/14, 7/16/14, 8/20/14, 9/17/14,

	<p>2/09: Discussed ATSDR public-comment draft report.</p> <p>3/09: Discussed the ATSDR draft report and agreed to submit CEWG comments; appointed a committee to study next steps.</p> <p>4/09: Continued discussion, heard about putting the ATSDR UNMH presentation on the website, and decided to pursue silica testing as part of our follow-up to the ATSDR report.</p> <p>7/13: Approved letter to be sent to ATSDR encouraging speedy completion of report.</p> <p>10/13: Heard progress update from ATSDR</p> <p>1/22/14: Heard progress update</p> <p>2/19/14: Heard progress update</p> <p>3/19/14: Heard progress update</p> <p>4/16/14: Heard progress update, extensive discussion of draft report release, and approved letter to be sent to ATSDR from CEWG</p> <p>5/14: Continued discussion of NMED's handling of draft report, options to express concerns about this, and making a request to NMED to see the draft report</p> <p>6/14: Continued discussion of issue about NMED's handling of draft report</p> <p>7/14: Discussion of preparation by CEWG to be ready for ATSDR report release</p> <p>8/14: Update on report release status and continued discussion of preparation</p> <p>9/14: Continued discussion of preparation</p> <p>10/14: Development of follow up questions by members of the CEWG for ATSDR</p> <p>11/14: Continued discussion and refinement of questions for ATSDR</p> <p>12/14: Continued discussion and refinement of questions for ATSDR</p> <p>2/15: Continued discussion and refinement of questions for ATSDR</p> <p>3/15: Review of latest version of Questions/Comments for ATSDR</p>	<p>10/15/14, 11/19/14, 12/17/14, 2/18/15, 3/18/15, 4/15/15, 6/17/15, 7/15/15, 8/19/15, 9/16/15, 12/16/15, 3/16/16, 12/21/16</p> <p>CEWG Comments to ATSDR</p> <p>Intel Comments to ATSDR</p> <p>ATSDR Public Health Consultation</p> <p>Evidence Based EMR Implementation</p> <p>Letter to NMED from Dennis O'Mara (in meeting summary 6/18/14)</p>
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	<p>4/15: Review and approval of final version Questions/Comments for ATSDR</p> <p>6/15: Discussion of public meeting arrangements</p> <p>7/15: Discussion of ways to announce ATSDR meeting and generate interest in the community.</p> <p>8/15: Discussion of upcoming ATSDR report and discussion of past CEWG action relevant to items in report</p> <p>9/15: Discussion of next steps for CEWG relevant to items in Final ATSDR report</p>	
Bulk Silane	6/05: Heard presentation.	Meeting summaries--6/15/05
CEWG organizational issues	<p>8/04: Initial organization & membership</p> <p>2/06: Expanded mission statement</p> <p>5/06: Decided to remove image of Intel as logo.</p> <p>1/07: Discussed CEWG effectiveness</p> <p>2/07: Discussed mission statement</p> <p>8/07: Discussed status of ongoing email dialogues.</p> <p>9/07: Discussed CEWG advertisement; decided to have facilitator write it.</p> <p>10-11/07: Discussed status of email dialogue.</p> <p>1/08: Set procedure for selecting acting Vice-Chair.</p> <p>6/08: Received report on planned improvements to the website and format for CEWG documents.</p> <p>8-9/08: Discussed the CEWG name.</p> <p>9/08: Approved a formal process for identifying consensus; discussed CEWG communication practices; authorized development of a communication policy.</p> <p>10/08: Discussed draft communication policy.</p> <p>11/08: Approved communication policy; began process of prioritizing future topics.</p> <p>12/08: Continued to prioritize topics.</p> <p>1/09: Learned of cost cutting at Intel and impact on CEWG budget; discussed ways to cut our costs.</p> <p>4/09: Learned more about the budget situation and decided on cost-cutting measures; discussed non-facilitated meetings as a cost-cutting measure.</p>	<p>Meeting summaries--8/25/04, 2/15/06, 5/17/06, 1/17/07, 2/21/07, 8/15/07, 9/19/07, 10/17/07, 11/19/07, 1/16/08, 6/18/08, 8/20/08, 9/17/08, 10/15/08, 11/19/08, 12/17/08, 1/21/09; 4/15/09, 8/19/09, 9/16/09, 4/21/10, 7/21/10, 9/15/10, 11/17/10, 12/15/10, 9/21/11, 10-16-11, 11-16-11, 3/21/12, 4/12/12, 5/16/12, 6/20/12, 7/18/12, 8/15/12, 9/19/12, 2/20/13, 6/16/13, 7/17/13, 8/21/13, 9/18/13, 4/16/14, 6/18/14, 2/18/15, 4/15/15, 7/15/15, 8/19/15, 9/16/15, 10/21/15, 11/18/15. 2/17/16, 3/16/16, 4/20/16. 6/15/16, 8/17/16, 11/16/16, 12/21/16, 1/18/17, 2/15/17, 6/21/17, 7/19/17</p> <p>2004-2006 Short Report to the Community</p> <p>The CEWG and the Community</p> <p>2012 Budget</p> <p>Web site policy</p> <p>2014 Annual Report to the Community</p>

8/09: Discussed the process by which documents are produced; reviewed topic priorities.
9/09: Learned that budget would be restored.
4/10: Discussed draft document “The CEWG and the Community”
7/10: Established procedure for reconsidering previous consensus decisions.
9/10: Expressed concerns about agenda process and called for a proposal to change it.
11/10: Continued discussion of agenda process
12/10: Approved a new agenda-setting process
9/11: Approved 2012 budget
10/11: Discussed next steps for the CEWG’s work in achieving environmental improvement.
11/11: Discussed possible new ways of working.
3/12: Began discussing how to use discretionary money.
4/12: Approved a new materials-distribution policy on a trial basis.
5/12: Discussed whether to include potential hazards in EHS report.
6/12: Rejected spending money on a community dinner.
7/12: Continued discussing budget.
8/12: Approved expenditures.
8/12: Discussed topic priorities.
9/12: Discussed topic priorities
2/13: Agreed to make nominations to expand membership.
6/13: Facilitator resigned effective end of year. Discussed planning and recruitment of new facilitator.
7/13: Continued planning.
8/13: Continued planning. Set focus areas for 2014.
9/13: CEWG Accomplishments 2004-2013 approved.
9/13: Continued planning
4/14: Discussed CEWG priorities for the coming year; reviewed web policy regarding documents to be posted on the web site

	<p>6/14: Review of draft of last year's accomplishments; brief discussion of dialogue and trust</p> <p>2/15: Review of annual report for 2014</p> <p>4/15: Discussion of possible post-ATSDR topics for CEWG to work upon</p> <p>7/15: Discussion of process for hiring new facilitator</p> <p>8/15: Update on hiring of new facilitator</p> <p>9/15: Update on hiring of new facilitator</p> <p>10/15: Heard a presentation by Intel about their corporate goals regarding environmental improvement and discussed possible CEWG activities in 2016</p> <p>11/15: Discussion of possible activities by CEWG in 2016; Clarification of Role of CEWG members when speaking in other forums; Introduction of new facilitator</p> <p>2/16: Discussion of 2015 Annual Report & 2016 Planning</p> <p>3/16: Discussion of annual report & 2016 planning</p> <p>4/16: Finalize annual report, discuss final ranking on 1 2016 item</p> <p>6/16: Discuss revised mission statement.</p> <p>7/16: Agreed to revised mission statement, heard Intel's corporate social responsibility report.</p> <p>8/16: Discussion of priority list, agenda format</p> <p>11/16: Discussion of 2016 Annual Report & priorities</p> <p>12/16: Discussion of 2016 Annual report & priorities</p> <p>1/17: Discussion of 2017 priorities & document preservation</p> <p>2/17: Discussion of topic index changes, group review & update on document preservation. Finalization of 2016 annual report.</p> <p>6/17: discussion of renaming on website, update on scanning hard copies of documents, review of 1 page document for outreach</p> <p>7/19/17: Comments on 1 page document for marketing outreach</p>	
Chemical & emission changes (See also	<p>12/05: Received report on chemical changes.</p> <p>11/06: Discussed.</p>	Meeting summaries--12/21/05, 11/15/06, 11/18/09, 12/16/09, 1/20/09, 2/17/10, 12/10, 11/19/14,

<p>Odor/contaminant complaints)</p>	<p>11/09: Discussed and requested information from Intel on changes in the past year. 12/09: Heard report from Intel. 1/10: Discussed report and requested forecast of changes anticipated in next 12 months. 2/10: Heard report on changes and emissions. 12/10: Discussed possible improvements in EHS reports. 11/14: Review of emissions amounts and reductions 5/15: Report on biocide pilot and the elimination of 1.9 tons of bromoform 3/16: Discussed letter to Intel regarding environmental improvements 6/16: Discussed emissions regulations and encouraging Intel to further reduce HAP and VOC emissions 8/16: Group agreed to draft letter to Intel to encourage further reductions to HAP and VOC emissions 9/16: Discussed draft letter to Intel and added request for employee award for emissions reductions and cost savings 10/16: Discussed draft letter to Intel 11/16: Letter sent to Intel to encourage further reductions in HAP and VOC emissions and employee award for emissions reductions and cost savings 6/17: Discussion of Dr. Kesler attendance, Employee Award Updates 9/17: Discussion of Dr. Kesler & Employee Award at Intel 9/18: Discussion of odor complaints from Corrales residents</p>	<p>5/15/2015, 3/16/2016, 6/15/2016, 8/17/2016, 9/21/2016, 10/19/2016, 11/16/2016, 6/21/17, 9/20/17, 9/19/18</p>
<p>Citizen Protocol</p>	<p>8/06: Began discussing need for trustworthy data; selected silica as a pilot test; formed committee to draft CP. 10-12/06: Discussed drafts. 1/07: Discussed drafts. 6/07: Continued discussion of CP and silica-testing pilot project; began process of legal review and funding search. 7/07: Discussed pilot test and funding. 8/07: Discussed proposal for pilot test and budget. 1/08: Heard update.</p>	<p>Meeting summaries--8/16/06, 10/18/06, 11/15/06, 12/13/06, 1/17/07, 6/20/07, 7/18/07, 8/15/07, 1/16/08, 7/16/08, 8/20/08, 9/17/08, 11/19/08, 12/17/08, 4/15/09, 11/18/09, 1/20/10, 7/21/10, 5/20/15, 1/17/18, 2/21/18, 3/21/18, 4/18/18, 5/16/18, 6/20/18 Draft Citizens Protocol January 07 Citizen Protocol Draft v 16 2006-2007 Short Report to the Community</p>

	<p>7/08: Initiated request for review by Intel. 8/08: Heard and discussed changes proposed by Intel management and Legal. 9/08: Continued to discuss proposed changes and requested draft language from Intel; discussed silica testing. 11/08: Discussed and approved draft language changes. 12/08: Approved current version of Citizen Protocol. 4/09: Agreed in principle to pursue silica testing with the Citizen Protocol as part of ATSDR follow-up. 6/09: ATSDR Follow-up Committee began work on silica testing using the Citizen Protocol. 11/09: Confirmed decision to proceed in principle to plan silica testing using the Citizen Protocol. 1/10: Discussed a possible PSA or ad on silica testing. 7/10: Established task force to oversee silica testing. 1/18 – 6/18: Discussed CP to be used with NM National Guard testing.</p>	<p>2008-2009 Short Report to the Community 2009-2010 Short Report to the Community</p>
Communication	See Public Communication	
Community-Scale Toxics Monitoring Project	6/07: Heard report.	<p>Meeting summaries--6/20/07 Community-Scale Toxics Monitoring Project</p>
Complaint-response process (See Odor/contaminant complaints)		
Cooling towers (See also Maintenance)	<p>6/05: Heard presentation. 11/05: Discussed. 4/06: Discussed. 6/06: Discussed reducing bacteria. 12/06: Heard update 11/07: Heard and discussed an update.</p>	<p>Meeting summaries--6/15/05, 11/14/05, 4/19/06, 6/21/06, 12/13/06, 11/19/07 Cooling Towers Article on Cooling Tower Pathogens Cooling Tower Institute Cooling Tower/IPA reduction Updates to CEWG April 2006 Cooling Tower Sampling Plan 2005 Cooling Tower/IPA reduction Updates to CEWG April 2006 2004-2006 Short Report to the Community</p>

		2007-2008 Short Report to the Community 2007-2008 Short Report to the Community
Downtime (See Maintenance)		
Emergency response, security issues, and vulnerability	<p>12/04: Wrote questions for upcoming panel</p> <p>1/05: Heard panel discussion.</p> <p>6/07: Discussed.</p> <p>7/07: Appointed committee.</p> <p>8/07: Heard committee report, learned about Code Red, and heard report from Intel.</p> <p>9/07: Began preparations for panel.</p> <p>10/07: Heard panel discussion.</p> <p>1/08: Discussed automated notification system.</p> <p>6/11: Heard a report on an explosion and fire at the Chandler facility in Arizona.</p> <p>10, 11 & 12/11: Heard updates on the Chandler fire.</p> <p>3/12: Heard an update on the Chandler fire.</p> <p>11/12: Discussed security, vulnerability, and related items</p> <p>1/12: Plant manager reported on security and related issues.</p> <p>2/13: Committee formed to research Code Red and related issues.</p> <p>3/13: Code Red committee gave progress report.</p> <p>4/13: Code Red committee gave progress report.</p> <p>5/13: Emergency response systems explained.</p> <p>6/13: Heard report on Code Red study.</p> <p>7/13: Heard report on Code Red study.</p> <p>10/13: Heard report on Code Red study.</p> <p>12/13: Discussed recommendations of Code Red study and possible next steps</p> <p>1/14: Continued discussions of Code Red study and additional steps.</p> <p>1/14: Received presentations on related regulations (EPCRA and CERCLA) by Daniela Bowman, NM Dept. of Homeland Security and Emergency Management and Cassie Roberts, Intel Engineer</p>	<p>Meeting summaries--12/15/04, 1/19/05, 6/20/07, 7/18/07, 8/15/07, 9/19/07, 10/17/07, 1/16/08, 6/17/11, 10/19/11, 11/25/11, 11/21/11, 3/21/12, 11/28,1/12,11/12,1/13, 2/13, 3/13, 4/13, 5/13, 6/16/13, 7/17/13,10/16/13, 12/18/13, 1/22/14, 2/19/14, 3/19/14, 1/20/16, 1/18/17, 4/19/17, 5/17/17, 6/21/17, 7/19/17, 8/16/17, 9/20/17, 5/16/18, 6/20/18, 10/17/18</p> <p>Emergency Response Report July 07</p> <p>2004-2006 Short Report to the Community</p> <p>2007-2008 Short Report to the Community</p>

	<p>2/14: Received update from Dennis O'Mara 3/14: Received detailed presentation by Bryan Burrows, Intel on their emergency response procedures 1/16: Discussed Sandoval County Emergency planning. Follow up on Rio Rancho Fire Department first response. 1/17: Received update from Dennis O'Mara regarding Sandoval County emergency response for individuals on oxygen, 'interim' final Emergency Preparedness Guide, and compliance with EPCRA. 4/17: Update on National Guard Coordination in an Emergency Response. 5/17: Discussion of National Guard talk 6/17: National Guard Talk. Discussion on having National Guard assist in testing. 7/17: LEPC update from Dennis O'Mara. Clarification of Intel's RCRA request. 8/17: Clarification of RCRA request, LEPC code red update, discussion of National Guard collaboration 9/17: RCRA Discussion & follow up letter, National Guard discussion, LEPC update, update on Intel emergency notification procedures 5/18: Information on Intel's process for emergency management notification 6/18: Discussion of emergency management notification 10/18: Discussion of emergency management notification and decisions to activate Code Red</p>	
Emissions factors (See also Permits)	<p>3/05: Heard report 9/14: Detailed review of historical discussions of emissions factors and current consideration 12/15: Discussed Intel setting short, mid & long term goals for reducing emissions 2/17: Clarified Intel's production capacity & power usage</p>	<p>Meeting summaries--3/16/05, 9/17/14, 12/16/15, 2/1 Emission Factors 101 Emission Factors 101-2006 Update 2004-2006 Short Report to the Community</p>
Environmental Improvement Board	<p>12/06: Discussed Intel-related activities of EIB.</p>	<p>Meeting summaries--12/13/06</p>

Environmental values statement (See Values statement)		
EPA 114 process	<p>2/10: Learned of EPA inspection under Section 114 of the Clean Air Act; approved sending a letter of appreciation to the EPA.</p> <p>10/10: Sponsored public discussion of the EPA 114 report.</p> <p>11/10: Continued discussion of EPA 114 report.</p> <p>12/10: Discussed Intel's follow-up process.</p> <p>Every meeting in 2011: Heard update on EPA 114 process.</p> <p>1/12 – 10/12: Heard reports on EPA 114 process. No progress reported.</p> <p>Every meeting in 2014: Heard reports on EPA 114 process. No progress reported.</p> <p>Every meeting in 2015: Heard reports on EPA 114 process. No progress reported</p> <p>7/16: Proposed and removed EPA 114 from Agenda. If there is progress on the item, Intel will report to CEWG.</p>	<p>Meeting summaries--2/17/10, 10/20/10, 11/17/10, 12/15/10, 1/15/11, 3/16/11, 6-15-11, 7-20-1, 8/17/11, 9/21/11, 10/29/12 all 2011 meeting summaries, 1/18/12, 2/15/12 and through 2012.</p> <p>2010-2011 Short Report to the Community</p>
Epidemiology	<p>1/08: Decided to plan panel.</p> <p>3/08: Heard panel and participated in a case-study exercise.</p> <p>5/11: Introduced the idea of having a panel focusing on lung disease in particular along with the State study of fibrosis.</p> <p>4/18-10/18: Discussed outreach to epidemiologists to provide feedback on NMDOH ALS report.</p>	<p>Meeting summaries--1/16/08, 3/19/08, 5/15/11, 4/18/18, 5/16/18, 8/15/18, 9/19/18, 10/17/18</p> <p>ATSDR Public Health Consultation</p>
FTIR	<p>2/06: Received results.</p> <p>2-3/07: Reviewed data analysis.</p> <p>12/07: Heard report on wind-directions study.</p> <p>5/17: Report on equipment status & data</p>	<p>Meeting summaries--2/15/06, 2/21/07, 3/21/07, 12/19/07, 5/17/17</p> <p>Analysis of Community Owned FTIR Data</p> <p>OP-FTIR Statistical Analyses Dec 07</p> <p>FTIR Statistical Analysis</p>
Hazardous waste	<p>7/09: Learned of letter from NMED regarding certain hazardous waste violations; authorized a draft letter to Intel management.</p> <p>8/09: Agreed to send letter.</p>	<p>Meeting summaries--7/15/09, 8/19/09, 9/16/09</p>

	<p>9/09: Received and discussed response to our letter with managers in attendance.</p>	
<p>Health effects</p>	<p>11/06: Discussed. 9/11: Discussed NM Dept. of Health report on pulmonary fibrosis. Referred to ATSDR for possible review. 11/11: Discussed possible further reviews of NM Dept. of Health report (above) and connections made with National Jewish Health Center in Denver. 3/13: Had general discussion of health risk assessments. 4/13: History of health risk assessments discussed. 3/16: Discussed inviting epidemiologist, ALS, & DOH. Discussed changes in Oregon standards 5/16: Presentation of Corrales Community Health Study conducted by the River Network 6/16: update on Oregon actions, discussion of Health Study presentation and additions to priority list, finalize process for sending out questions, discussion of how HAPS are regulated. 7/16: update on Oregon actions and New Mexico, discussion on MCS 8/16: Update on Oregon, ALS study, MCS discussion, and HAPS letter to Intel 9/16: Update on Oregon, ALS study, MCS discussion, and HAPS letter to Intel 10/16: Update on Oregon, ALS study, MCS discussion, and HAPS letter to Intel 11/16: Smolinske presentation on MCS 12/16: Thank you to Smolinske w/questions & discussion of Dr. Fisher Letter to DOH regarding ALS Study 1/17: Discussion of response to Dr. Fisher Letter 2/17: ALS presentation and discussion of response to Dr. Fisher Letter 3/17: Discussion of ALS presentation & follow up to Dr. Fisher letter 3/30/17: Letter to NMDOH re CEWG mission and discussion on department's ALS study</p>	<p>Meeting summaries--11/15/06, 9/21/11, 11/16/11, 3/20/13, 4/17/13,3/16/16, 5/18/16, 6/15/16, 7/20/16, 8/17/16, 9/21/16, 10/19/16, 11/16/16, 12/21/16, 1/18/17, 2/15/17, 3/15/17, 5/17/17, 6/21/17, 8/16/17, 10/18/17, 12/20/17, 1/17/18, 2/21/18, 3/21/18, 4/18/18, 5/16/18, 6/20/18 NM Dept. of Health Report on Pulmonary Fibrosis Koracin Report, Gradient Report NM Dept. of Health Report on ALS</p>

	<p>5/17: Update on UNM Cancer Study 6/17: Update on UNM Cancer Study 8/17: Update on UNM Cancer Study 10/17: Discussed. 12/17: Update on NMDOH ALS Study 1/18 – 6/18: Discussion of NMDOH ALS Study</p>	
HMDS	<p>5/09: Discussed. 7/09: Heard report on HMDS usage.</p>	<p>Meeting summaries--5/20/09, 7/15/09 HMDS Usage for Intel NM 1994-2008 2008-2009 Short Report to the Community</p>
Hydrogen Fluoride (See Spikes)		
Intel organization and processes	<p>6/06: Heard report on re-structuring. 9/07: Heard report about major process and Fab changes and new abatement equipment. 7/10: Discussed possible website reporting real-time environmental information. 8/10: Met Anne Kelleher, new plant manager, and discussed changes at Intel. 9/10: Learned that Intel will proceed with a real-time data reporting website. 9/14: Presentation of update of website and options for the reporting of real time data 10/14: Presentation on Intel's continuous improvement goals and local environmental improvement projects 11/14: Update on Oregon Citizen Settlement Agreement with Intel 12/14: Presentation on update of website 2/15: Review of current form of website, Explore Intel 1/16: Discuss current Intel staffing levels 11/17: Heard presentation on Intel's corporate social responsibility report and discussed projects in NM 9/18: Heard presentation on Intel's corporate social responsibility report</p>	<p>Meeting summaries--6/21/06, 9/19/07, 8/18/10, 9/15/10, 9/17/14, 10/15/14, 12/17/14, 2/18/15, 1/20/16, 11/17, 9/19/18 2010-2011 Short Report to the Community</p>
ISO 14000	<p>11/07: Heard report.</p>	<p>Meeting summaries--11/19/07 ISO 14001 Nov 07</p>

Isopropyl Alcohol	7/05: Heard presentation. 8/05: Continued presentation and discussion. 11/05: Discussed. 4/06: Heard update report.	Meeting summaries--7/20/05, 8/17/05, 11/14/05, 4/19/06 2004-2006 Short Report to the Community
Issue response/corrective action	9/08: Heard report on the Corporate Service Issue Response Template, involving lessons learned from incidents. 10/09: Heard report on structured methods of improvement. 12/15: Discussed monitoring plans and rain water drainage systems	Meeting summaries--9/17/08, 10/21/09, 12/16/15
Landscaping	8/18: Discussion of chemicals used for Intel landscaping and safety data sheets	Intel Landscape Chemicals Meeting summaries—8/15/18
Lead	2/06: Heard report on EPA limits.	Meeting summaries--2/15/06
Maintenance (See also Redundant abatement)	11/04: Discussed failure, upset, and downtime 2/05: Heard report on maintenance. 3/05: Heard presentation on downtime. 5/05: Heard report on compressed preventative schedule. 9/05: Heard report on compressed maintenance. 2/06: Heard report on downtime. 10/06: Heard report. 6/07: Heard report on RTO and cooling tower maintenance. 9/10: Discussed unscheduled downtimes caused by RTO problems in the summer of 2010.	Meeting summaries--11/17/04, 2/16/05, 3/16/05, 5/18/05, 9/21/05, 2/15/06, 10/18/06, 6/20/07, 9-15-10 2004-2006 Short Report to the Community
Media	6-8/05: Planned panel on media.	Meeting summaries--6/15/05, 7/20/05, 8/17/05
Modeling (See Air dispersion modeling)		
Monitoring (See also Permits)	1/09: Discussed shifting resources from routine testing to environmental improvement. 8/09: Discussed prospects for replacing the now-removed City-County Meadowlark Lane monitoring station. 9/09: Learned that the City-County monitoring station would not be replaced. 10/09: Learned additional information about monitoring station. 1/10: Discussed nearby City-County monitoring stations and heard a report on this subject.	Meeting summaries--1/21/09, 8/19/09, 9/16/09, 10/21/09, 1/20/10, 6/16/10, 4/17/13, 5/15/13, 6/16/13, 7/14

	<p>6/10: Learned of proposed new location for Corrales monitoring station.</p> <p>4/13: Idea for automated monitoring presented and discussed.</p> <p>5/13: Various monitoring systems at Intel were described, including chemical management, storm water, wastewater, waste management, and air emissions.</p> <p>6/13: Progress on automated monitoring was reported.</p> <p>7/14: Report on meeting with NMED to discuss Regulatory Engineering approaches.</p>	
Newsweek green ratings	10/09: Discussed	Meeting summaries--10/21/09
Odor/contaminant complaints & complaint-response process (See also Chemical and emission changes)	<p>11/05: Reviewed activities of Site Odor Team.</p> <p>12/05: Discussed types of odors.</p> <p>4/06: Received zone map of complaints.</p> <p>9/08: Discussed.</p> <p>2/09: Heard and discussed report on odor response process.</p> <p>3-12/09: Discussed.</p> <p>7/09: Learned of the Engineering Task Force on Public Complaints.</p> <p>2-3/10: Discussed.</p> <p>9/10: Learned that Intel will proceed to develop a real-time data reporting website.</p> <p>12/10: Discussed possible use of real-time data reporting website as part of complaint follow-up.</p> <p>3/12: Discussed possible emission detections at some distance from the plant (O'Mara letter and discussion).</p> <p>12/15: Heard report from Mike Williams reviewing past actions and current conditions connected with modeling</p> <p>1/16: Heard suggestions for following up on options for understanding air quality</p> <p>3/16: Discussed questions to send to Peter Kowalski & others</p> <p>4/16: Discussed questions to professionals</p> <p>6/16: Discussed questions to professionals</p> <p>8/16: Discussed questions to professionals</p> <p>9/16: Discussed response received and next steps</p>	<p>Meeting summaries--11/14/05, 12/21/05, 4/19/06, 9/17/08, 2/18/09, 3/18/09, 4/15/09, 5/20-09, 7/15/09, 8/19/09, 9/16/09, 10/21/09, 11/18/09, 12/16/09, 1/20/10, 2/17/10, 3/17/10, 9/15/10, 12/15/10, 3/21/12</p> <p>2004-2006 Short Report to the Community</p> <p>2008-2009 Short Report to the Community</p> <p>12/16/15, 1/20/16, 3/16/16, 4/20/16, 6/15/16, 8/17/17, 9/21/16, 10/19/16, 12/21/16, 3/15/17, 4/19/17, 9/20/17, 10/18/17</p>

	<p>10/16: Update on responses received to date on questions and discussed next steps</p> <p>12/16: Discussed separating aldehydes pages & placing on web</p> <p>3/17: Discussed questions to professionals</p> <p>4/17: Discussed responses from professionals</p> <p>9/17: Update on questions</p> <p>10/17: Discussed.</p>	
Particulate matter	9/05: Discussed PM 2.5 regulations.	Meeting summaries--9/21/05
Permits	<p>2/06: Heard report on annual permit emission factor update.</p> <p>11/06: Heard detailed report on Intel permit requirements.</p> <p>1/07: Heard report on major-source permit requirements.</p> <p>2/07: Received and discussed response from EPA regarding major and minor source permits.</p> <p>6/07: Heard report on Eastman Kodak major source permit.</p> <p>9/07: Learned of technical permit revision related to new RTO stacks.</p> <p>3/08: Discussed technical permit revision</p> <p>4/10: Discussed technical permit revision</p> <p>11/10: Met with Coleman Smith and Trais Kliphuis of NMED regarding the permitting process.</p> <p>10/12: Learned that Intel will become a major source under Title V. Discussed necessary technical permit revisions</p> <p>11/12: Continued discussion of Title V.</p> <p>9/13: Heard report on Title V permit.</p> <p>5/15: Presentation on possible changes in Intel's air permit</p> <p>12/15: Discussed communication to ODEQ regarding Intel Oregon's permits.</p> <p>1/16: Discussed permit application comments and letter to ODEQ regarding Intel Oregon's permits</p> <p>9/18-10/18: Discussed plan for series of presentations to provide information and answer questions about current NMED emissions permit.</p>	<p>Meeting summaries--2/15/06, 11/15/06, 1/17/07, 2/21/07, 6/20/07, 9/19/07, 3/19/08, 11/17/10, 10/19/12, 11/28/12, 9/18/13, 5/20/15, 12/16/15, 1/20/16, 9/19/18, 10/17/18</p> <p>Kodak Permit Summary</p> <p>EPA Response Letter on Permitting TAPs list</p> <p>Permit Comparison</p> <p>Emission Factors 101</p> <p>Emission Factors 101-2006 Update</p> <p>Intel's Air Permit 325-M-9</p> <p>Intel's Air Permit 325-M-8, Revision 1</p> <p>NMEDs Draft Air Permit Website</p> <p>2006-2007 Short Report to the Community</p> <p>Intel permit update to CEWG 9/18/13</p>
Public communication and public engagement	7/08: Began to plan a panel on the NMED and Public Engagement.	Meeting summaries--7/16/09, 7/18/10, 8/18/10, 12/15/10, 12/15/10, 1/15/11, 8/17/11, 10/19/11, 11/16/11, 9/19/12, 10/19/12, 12/16/15, 1/20/16,

	<p>7/10: Learned of possible new website at Intel to track real-time environmental data, currently in development stage. 8/10: Heard report on recent focus groups related to stack height. 12/10: Discussed progress on real-time data reporting website. 12/10: Discussed draft op-ed explaining CEWG 1/11: Discussed op-ed articles written by CEWG members and possible media outlets for CEWG publicity. 8/11: Approved new public communication process, to include website, newsletter, Facebook, and print ads 9/11: Communication plan update] 10/11: Status report on new website. 11/11: Approved policies for website and Facebook. 9/12: Newsletter editorial policy revised. 10/12: Heard about Lane Kirkpatrick's neighborhood survey. 12/15: Discussed new ad design to <i>Corrales Comment</i> 1/16: Follow up and decision on new ad design 2/16: Discussion of ad improvement & submission to newspapers 3/16: Discussed improvement to ad 4/16: Discuss draft ad procedure, discuss May presentation from Steve Dickens 4/17: Discussion of preparing a handout for community engagement events 7/17: Comments on prepared 1 page document 8/17: Discussion of follow up on 1 page document 10/17: Discussion of wording on 1-page flyer 11/17: Discussion of changes to 1-page flyer 11/17: Discussion of communication with Corrales mayor and councilors 2017: Reorganization of website and renaming of historical documents 1/18: Finalization of one-page flyer</p>	<p>2/17/16, 3/16/2016, 4/20/16, 4/19/17, 7/19/17, 10/18/17 Website Policy Facebook Policy Editorial Policy Ad Policy One-Page Handout</p>
Rain caps	9/08: Discussed.	Meeting summaries--9/17/08, 10/15/08, 11/19/08, 12/17/08

	<p>10/08: Learned that rain caps could be removed from boiler stacks.</p> <p>11/08: Learned that rain caps had been removed.</p> <p>12/08: Heard modeling report of results of removal of rain cap; authorized a draft document for website.</p>	<p>Effect of Removing Boiler Rain Caps 2008-2009 Short Report to the Community</p>
<p>Redundant abatement (See also Thermal oxidizers, Maintenance)</p>	<p>12/04: Discussed feasibility.</p> <p>2/05: Heard cost estimate for installation</p> <p>9/07: Discussed dilemmas.</p> <p>4/10: Learned of Intel plans to achieve full redundancy.</p> <p>6/10: Discussed placement of new Munters RTO units & associated redundancy.</p> <p>8/10: Discussed again Intel's decision to provide full RTO redundancy.</p> <p>6/11: Received progress report on installation of new RTOs with redundancy and increased stack height</p>	<p>Meeting summaries--12/15/04, 2/16/05, 9/18/07, 4/21/10, 6/16/10, 8/18/10/, 6/15/11 2007-2008 Short Report to the Community 2009-2010 Short Report to the Community</p>
<p>Regulatory Engineering</p>	<p>1/16, 2/16, 3/16, 4/16, 2/17, 3/17, 6/17, 9/17: Update, 10/17, 3/18</p> <p>6/18: Discussion of regulatory engineering possibilities related to drones</p>	<p>Meeting Summaries – 1/20/16, 2/17/16, 3/16/16, 4/20/16, 2/15/17, 3/15/17, 6/21/17, 9/20/17, 10/18/17, 3/21/18, 6/20/18</p>
<p>Risk assessment</p>	<p>3/05: Reviewed report.</p> <p>4/05: Discussed report.</p> <p>7/06: Heard report on status.</p>	<p>Meeting summaries--3/16/05, 4/20/05, 7/19/06 Intel Rio Rancho Facility Site Risk Evaluation Results 2005 Why Intel Updated the Community Risk Assessment 2002 2004-2006 Short Report to the Community</p>
<p>RTOs (See Thermal oxidizers)</p>		
<p>Scrubbers</p>	<p>7/09-12/09: Discussed 1-heptanethiol odor effects in scrubbers.</p> <p>8/09: Learned that Intel had increased the pH in the scrubbers to reduce the odor attributable to 1-heptanethiol</p> <p>3/11: Began discussing ways in which the CEWG might be involved in scrubber efficiency testing.</p>	<p>2004-2006 Short Report to the Community 2009-2010 Short Report to the Community Meeting summaries—7/15/09, 8/19/09, 10/21/09, 11/18/09, 12/16/09, 3/16/11</p>
<p>Silica</p>	<p>11/05: Heard report on Intel testing.</p> <p>2/06: Heard report.</p>	<p>Meeting summaries--11/14/05, 2/15/06, 4/19/06, 8/16/06, 9/17/08, 10/18/06, 9/17/08, 10/15/08,</p>

	<p>4/06: Heard follow-up report. 8/06: Selected silica as pilot test for Citizen Protocol 10/06: Discussed. 9/08: Began planning a panel of representatives from the Loveless Respiratory Research Institute. 10/08: Continued planning "Loveless" panel. 11/08: Reviewed materials sent by EPA. 12/08: Reviewed summary of materials on silica. 1/09: Planned study of silica issues. 4/09: Agreed in principle to pursue silica testing under the Citizen Protocol. 5/09: Heard report crystalline silica. 6/09: ATSDR Follow-up Committee began work on silica testing using the Citizen Protocol. 9/09: Discussed whether to proceed with silica testing under the Citizen Protocol. 11/09: Confirmed decision to proceed in principle to plan silica testing using the Citizen Protocol. 1/10: Discussed a possible PSA or ad on silica testing. 2/10: Discussed draft ad and possible public meeting. 4/10: Continued planning public meeting. 6-7/10: Discussed next steps for silica testing; established task force to oversee silica testing under the Citizen Protocol. 7/10: Learned of Intel's decision to test for crystalline silica in Durr and Munter stacks in 2010 (separate from CEWG testing of all stacks in 2011). 8/10: Heard progress report on silica testing from the Silica Testing Task Force. 9/10: Heard progress report from the Silica Testing Task Force. 10/10: Heard progress report from the Silica Testing Task Force. 12/10: Heard progress report from the Silica Testing Task Force</p>	<p>11/19/08, 12/17/08, 1/21/09, 4/15/09, 5/20/09, 9/16/09, 11/18/09, 1/20/10, 2/17/10, 4/21/10, 6/16/10, 7/21/10, 8/18/10, 9/15/10, 10/20/10, 12/15/10, 1/15/11, 3/16/11, 4/20/11, 5/15/11, 6/15/11, 7/20/11, 8/17/11, 9/21/11, 10/16/11, 1/18/12, 8/19/15, 9/15 Silicon Dioxide Characterization Review of EPA Crystalline Silica Paper 2009-2010 Short Report to the Community Silica Testing Task Force Report 2010-2011 Short Report to the Community Silica FAQs</p>
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	<p>1/11: Received request from Silica Testing Task Force for directions on next steps.</p> <p>3/11: Heard that silica-testing results had been received and would be properly processed by the STTF prior to making them public.</p> <p>4/11: Had open discussion of silica-testing report (STTF Report)</p> <p>5/11: Had open discussion of silica-testing report (STTF Report) and discussed next steps.</p> <p>6-11: Discussed next steps after STTF report, including ATSDR peer review; approved cover letter; continued work on FAQs</p> <p>7-11: Discussed possible presentations to civic groups; continue work on FAQs</p> <p>8-11: Continued work on FAQs.</p> <p>9-11: Approved FAQs.</p> <p>10-11: Decided to do further publicity on STTF report and CEWG follow-up activities.</p> <p>1-12: Discussed STTF presentations in the community.</p> <p>8-15: Reviewed some aspects of STTF work as it relates to upcoming ATSDR report</p> <p>9-15: The CEWG decided the work of the STTF was complete.</p>	
Spikes	<p>9-11: Status of spikes discussion</p> <p>10-11: Discussed approaches for dealing with the spikes issue.</p> <p>11-11: Continued discussion of approaches for dealing with the spikes issue.</p> <p>1/12: Continued discussion of draft plan for modeling hydrogen fluoride spikes.</p> <p>2/12: Began to formulate a study plan.</p> <p>3/12: Approved a process for the spikes study.</p> <p>4/12: Began drafting FAQs.</p> <p>4/12: Heard report on air sampling</p> <p>5/12: Continued discussion of spikes study.</p> <p>6/12: Considered a new approach to modeling spikes.</p> <p>7/12: Approved plan for moving forward.</p>	<p>Meeting summaries—9/21/11, 10/16/11, 11/16/11, 1/18/12, 2/15/12, 3/21/12, 4/18/12, 5/16/12, 6/20/12, 7/18/12, 8/15/12, 9/19/12, 10/19/12, 11/28/12, 1/16/13, 3/20/13, 4/17/13, 6/16/13, 10/16/13, 12/18/13, 1/22/14, 7/16/14, 8/20/14, 10/15/14</p> <p>See Spikes documents on website</p>

	<p>8/12: Heard brief report on HF spikes modeling study in progress.</p> <p>9/12: Heard brief report on HF spikes modeling study in progress.</p> <p>10/12: Heard brief HF spikes modeling study update.</p> <p>11/12: Continue discussion of spikes modeling planning.</p> <p>1/13: Continued discussion of spikes modeling</p> <p>3/13: Received brief update on modeling study.</p> <p>4/13: Received brief update on modeling study.</p> <p>6/13: Received brief update on modeling study.</p> <p>10/13: Heard report on HF modeling study.</p> <p>12/13: Heard report and saw slide presentation on HF modeling study.</p> <p>1/14: Response to questions about HF modeling study</p> <p>7/14: Mike Williams provided update on progress with scrubber contamination project</p> <p>8/14: Update on plans and progress re: assessment of HF, HCL, and CL2</p> <p>10/14: Update on questions related to modeling work by Mike Williams (ammonium fluoride, HF, HCl, and Cl)</p> <p>4/15: Review of report on Additional Scrubber Contaminants by Mike Williams (HF, HCl, Cl₂)</p>	
<p>Stack height (See also Thermal oxidizers)</p>	<p>11/07: Heard status report on new RTOs and stack height issues and request for CEWG to recommend stack heights.</p> <p>12/07: Heard a panel on modeling; appointed committee to recommend stack height.</p> <p>1/08: Discussed and set timeline for action.</p> <p>2/08: Reviewed and discussed committee report and approved recommendation to Intel.</p> <p>4/08: Heard and discussed Intel's decision on stack height, initiated a meeting with Intel management, and decided to invite management to the next meeting.</p> <p>5/08: Heard report on meetings with Intel management, talked with representative from management, and reviewed draft stack height report.</p>	<p>Meeting summaries--11/19/07, 12/19/07, 1/16/08, 2/20/08, 4/16/08, 5/21/08, 6/18/08, 7/16/08, 8/20/08, 10/15/08, 8/18/10, 9/15/10</p> <p>Stack Height</p> <p>Dispersion Modeling History</p> <p>Modeling Presentation Dec 07</p> <p>Stack Height Recommendations</p> <p>Determining Stack Height at Intel</p> <p>Thermal Oxidizer Stack Heights</p> <p>2007-2008 Short Report to the Community</p> <p>2010-2011 Short Report to the Community</p>

	<p>6/08: Approved Stack Height Report, approved sending a letter of concern to Intel management, and reviewed draft open letter to the community.</p> <p>7/08: Completed stack height report, replied to Fred Marsh's statement on the issue, sent email to Intel management, and identified educational materials to include on website.</p> <p>8/08: Authorized the writing of a Stack Height Primer for the website.</p> <p>10/08: Continued discussing materials for website.</p> <p>8/10: Learned of Intel's decision to increase stack height.</p> <p>9/10: Heard report from Research and Polling on results of focus groups.</p>	
Stack Testing & Air Sampling (See also, Silica, Thermal Oxidizers),	<p>9/04: Reviewed requirements and took a plant tour.</p> <p>10/04: Discussion of stack testing</p> <p>5/15: Discussion of the credibility of stack testing</p> <p>6/15: Presentation by Intel and ERM on the compliance testing process and the opportunities for public observation</p> <p>7/15: Discussion of data that Intel could present to assist in CEWG consideration of stack testing process and credibility</p>	Meeting summaries--9/15/04, 10/20/04, 5/20/15, 6/17/15, 7/15/15
Storm damage	<p>8-10/06: Discussed.</p> <p>12/06: Heard update.</p>	Meeting summaries--8/16/06, 10/18/06, 12/13/06
Supercritical CO ₂	<p>7-9/05: Planned special meeting.</p> <p>9/05: Discussed Intel's history.</p> <p>10/05: Heard panel and discussed.</p> <p>11/05: Debriefed the panel.</p> <p>2/07: Heard status report.</p> <p>1/14: Discussed questions that could be posed to Craig Taylor in upcoming presentation on developments in the use of this technology.</p> <p>2/14: Heard presentation from Dr. Craig Taylor with extensive question/answer session on current technological developments and implications for computer industry.</p> <p>7/14: Update on Intel's interest in using Supercritical CO₂</p>	Meeting summaries--7/20/05, 8/17/05, 9/21/05, 10/27/05, 11/14/05, 2/21/07, 1/22/14, 2/19/14 2004-2006 Short Report to the Community, 2016 Annual Report
Thermal oxidizers (See also Abatement)	<p>2/05: Heard presentation from Intel.</p> <p>9/07: Learned of new RTOs to be purchased and installed.</p>	Meeting Summaries--2/16/05, 9/19/07, 4/21/10, 6/16/10, 8/18/10, 6/15/11, 8/15/18

maintenance, Redundant abatement)	<p>4/10: Learned that all old Durr units will be replaced by Munters in 2010.</p> <p>6/10: Discussed placement of new Munters RTO units & associated redundancy.</p> <p>8/10: Continued to discuss RTO redundancy.</p> <p>6/11: Received progress report on installation of new RTOs with redundancy & increased stack height</p> <p>8/18: Discussed thermal oxidizers going offline during power outage and resulting emissions</p>	<p>CEWG Update on Intel's Abatement Uptimes</p> <p>DURR Thermal Oxidizer Research</p> <p>Efforts to Reduce Thermal Oxidizer Downtime 2006</p> <p>Time Comparison Based on New PM Schedule</p> <p>Test Report 4th Quarter Thermal Oxidizer VOC Monitoring</p> <p>2004-2006 Short Report to the Community</p> <p>2007-2008 Short Report to the Community</p> <p>2008-2009 Short Report to the Community</p> <p>2010-2011 Short Report to the Community</p>
Toxic Air Pollutants (TAPs)		TAPs List
Toxicology	1/10: Explored possibility of having a panel on this subject.	Meeting summaries--1/20/10
Transmission line project	3/07: Heard presentation by PNM.	Meeting summaries--3/21/07
Values Statement (Environmental)	<p>12/05: Draft reviewed.</p> <p>1-2/06: Continued discussing draft.</p> <p>4/06: Decided to submit recommendations informally.</p>	Meeting summaries--12/21/05, 1/18/06, 2/15/06, 4/19/06
VOCs (See also Thermal oxidizers)	11/06: Discussed well sampling VOC data.	<p>Meeting summaries--11/16/06</p> <p>VOC Final Test Report Q4'06</p> <p>VOC Test Report Appendix Q4'06</p> <p>VOC Final Report</p> <p>VOC Report Appendix</p> <p>Test Report 4th Quarter Thermal Oxidizer VOC Monitoring</p>
Water	<p>12/05: Heard report on water use.</p> <p>1/06: Heard report on Albuquerque Public Owned Treatment Works.</p> <p>2/07: Decided to draft letter to State Engineer and started research on topic.</p> <p>3/07: Heard report on ongoing research and plans for panel.</p> <p>4/07: Heard panel presentation.</p> <p>8/07: Reviewed and approved draft report on water.</p> <p>6/10: Discussed proposal for Intel water acquisition with the Interstate Stream Commission.</p>	<p>Meeting summaries--12/21/05, 1/18/06, 2/21/07, 3/21/07, 4/18/07, 8/15/07, 6/16/10, 1/18/12, 8/16/17</p> <p>EPA Drinking Water Contaminants</p> <p>Ground Water sample</p> <p>NMED Ground Water Quality Report</p> <p>Draft Report on Water 2007</p> <p>New Mexico Water Dossier</p> <p>2008-2009 Short Report to the Community</p> <p>2006-2007 Short Report to the Community</p>

	<p>1/12: Heard a report on the activities of the Corrales Water Task Force.</p> <p>8/17: Heard report on elevated fluoride levels</p>	<p>2007-2008 Short Report to the Community</p>
<p>Weather issues</p>	<p>8/05: Heard report.</p> <p>9/05: Discussed.</p> <p>11/12: Heard report from Hugh Church on weather station placement.</p> <p>1/13: Continued discussion of weather monitoring</p> <p>2/13: Agreed to form committee to seek NMED weather data</p> <p>3/13: Heard talk on air dispersion.</p> <p>6/17: Update on NMED mobile weather station</p> <p>8/18: Discussed thermal oxidizers going offline during power outage and resulting emissions</p>	<p>Meeting summaries--8/17/05, 9/21/05, 11/28/12, 1/16/13, 2/20/13, 3/20/13, 6/21/17, 8/15/18</p> <p>Air dispersion primer.</p>