The Good Neighbor Agreement and Air Quality Advisory Committee (AQAC) Five Year Summary

Background: The Settlement Agreement

In May 2014, Neighbors for Clean Air (NCA) and the Northwest Environmental Defense Center (NEDC) signed a Settlement Agreement with Intel resolving issues raised concerning the air emissions from Intel's Aloha and Ronler Acres campuses.

The Settlement Agreement required Intel to:

1. Prepare, in conjunction with NCA and NEDC, an inventory of Intel's emissions of pollutants into the air that may be a concern to the community;
2. Conduct a health risk assessment of the pollutants Intel emits into the air;
3. Enhance Intel's stack emissions monitoring program where appropriate;
4. Fund an independent consultant to help NCA and NEDC review and comment on the emissions inventory, testing and health risk assessment, and
5. Provide resources to fund ambient air quality monitoring.

The Good Neighbor Agreement

As part of the Settlement Agreement, Intel, NCA and NEDC negotiated the Good Neighbor Agreement, a cooperative agreement in the form of a binding contract. The Good Neighbor Agreement was signed in December 2015 and replaced the Settlement Agreement.

Goals of the Good Neighbor Agreement

- Provide the NCA, NEDC and the public with accurate information about Intel's Oregon operations, including emissions, their impacts, and opportunities for emission reductions;
- Reduce emissions from Intel's Aloha and Ronler Acres campuses through a series of specified projects;
- Ensure the air quality permits issued to Intel by the Oregon Department of Environmental Quality (ODEQ) are consistent with and include elements of the Good Neighbor Agreement; and
- Encourage open communications and understanding between Intel and its neighbors in Washington County.

Background: The Air Quality Advisory Committee (AQAC)

The AQAC was established as part of the Good Neighbor Agreement between Intel, the NCA and the NEDC. The AQAC provides a forum through which Intel and the Neighbor Groups can connect regarding air quality and Intel can share operational and testing data.

The table below provides a summary of actions undertaken as a result of the Good Neighbor Agreement and the work of the AQAC.

Action	Objective	Status/Outcome
Emissions Inventory: An emissions inventory was created by using inputs from stack testing, production data and chemical usage models to calculate emission rates.	Intel provided emission estimates based on future potential to emit from the Ronler Acres and Aloha campuses. The inventory was used to assess potential health impacts of these emissions through an Air Quality Health Risk Assessment.	The emissions inventory was completed in the Fall of 2015. The inventory was used to assess the potential health impacts of these emissions through the Air Quality Health Risk Assessment. In 2021, Intel will compare the 2020 actual emission inventory to that used in the Health Risk Assessment and report out to the AQAC.
Air Quality Health Risk Assessment: A Risk Assessment was performed using California models and requirements. A third-party consultant employed by the Neighbor Groups independently assessed the results of the Air Quality Health Risk Assessment.	Evaluate the potential health impacts of Intel's future potential air emissions and make this information available to the public.	The results show that Intel's present and future emissions are below the risk threshold levels. The summary and full report are available at www.ORAQAC.com. The AQAC requested that the results be easy to understand and Dr. Ron Sahu, a consultant working for the Neighbor Groups, helped to guide the program and explain the results to community members in clear language.
Ambient Air Quality Monitoring: The Air Quality Advisory Committee engaged a third-party consultant to conduct ambient air quality monitoring.	Complete a third-party study of ambient air quality in the vicinity of Intel's Ronler Acres facility. The study provided measurements that were compared against ambient air concentrations modeled as part of the Health Risk Assessment. This effort provided information to the public regarding air quality as influenced by local and regional sources.	A qualified third-party consultant implemented the plan and conducted the monitoring, see www.ORAQAC.comfor additional details and report. The AQAC requested that the results be easy to understand and Dr. Ron Sahu, a consultant working for the Neighbor Groups, helped to guide the program and explain the results to community members in clear language.
Emissions Reduction Projects: Attachment A of the Good Neighbor Agreement outlines several emission reduction projects targeting sources directly associated with Intel operations and offsite sources in the community. The emission reduction projects were implemented in 2016 and 2017.	Improve air quality and contribute to improved livability and safety in Washington County.	See Attachment A below for information about specific projects. Intel also implemented additional reduction projects such as installing control devices on targeted emergency generators and scrubbers.

Action	Objective	Status/Outcome
Emission Tests: Attachment B of the Good Neighbor Agreement outlines testing requirements for abatement equipment.	Provide the opportunity to evaluate the accuracy of the emissions inventory and communicate any changes in emissions over time. Provide the opportunity for the Neighbor Groups to observe emissions tests further supporting open communications and understanding between Intel and its neighbors.	Intel is committed to a transparent testing and reporting process. We continue to test abatement equipment. Stack test plans and results are shared at the AQAC Meetings and documents are available on www.ORAQAC.com. Additionally, AQAC members have taken the opportunity to observe testing.
Continuous Emissions Monitoring: Attachment C of the Good Neighbor Agreement outlines requirements for Intel to continuously monitor the operation of its abatement equipment.	Ensure optimal operation of abatement equipment, which control and reduce emissions from Intel operations. Continuous monitoring data and any off specification operating parameters are communicated to the public at AQAC meetings.	Intel is committed to a transparent testing and reporting process. We continue to share performance data with the AQAC and documents are available on www.ORAQAC.com.
Communications: Intel shares any annual or semi-annual reports submitted to Oregon Department of Environmental Quality (ODEQ) pursuant to Intel's air permit, information about any excess air emissions, stack testing efforts, modifications to emission factors or sources, and progress on Emission Reduction Projects with the AQAC.	Provide the public with information about Intel's Oregon operations and encourages open communication between Intel and its neighbors in Washington County.	Intel is committed to a transparent testing and reporting process. A summary of the annual compliance report is shared at the AQAC meeting each year and required submittals to DEQ are also presented at the AQAC meetings. The documents are available on www.ORAQAC.com.

Accomplishments listed in Attachment A of the Good Neighbor Agreement:

Emission Reduction Project	Target Date	Status
Boiler replacement with ultra-low NOx burner boilers at RA2 and RP1	3rd quarter 2017	Completed
Decommission four Fab 5 boilers	3rd quarter 2016	Completed
Retrofit RCTOs to optimize natural gas usage	2nd quarter 2017	Completed
Evaluate ways to reduce (if possible) diesel particulate matter emissions either with onsite or offsite projects	3rd quarter 2016	Completed
Advocate to contractors working at the Facility to use newer on road and nonroad diesel engines	2nd quarter 2016	Ongoing
Assess feasibility of reducing waste tank emissions	4th quarter 2016	Complete
Compare actual emissions inventory in 2020 to inventory used in HRA	2nd quarter 2021	On Track

The Good Neighbor Agreement is posted in its entirety under the "Index of Documents" tab on the Air Quality Advisory Committee's website: www.ORAQAC.com.