INDUSTRIAL VAPOR INTRUSION INVESTIGATION OPERABLE UNIT 1

MOTOROLA 52ND STREET SITE COMMUNITY INFORMATION GROUP

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- Evaluate the soil gas to indoor vapor intrusion pathway through the collection of soil gas and indoor air samples
- Investigation timeline
 - Draft Work Plan submitted June 2015
 - Revised Work Plan September 2015
 - Final Work Plan October 2015
 - EPA, Freescale Site walk-through December 2015
 - Building Inventory Report January 2016
 - Soil gas investigation February-March 2016
 - Indoor Air Investigation Round One, March 2016
 - Indoor Air Investigation, Round Two, July-August 2016



- Indoor Air Investigation Approach
 - Work Plan set forth presumptive indoor air sampling for occupied enclosed buildings on western side of campus contemporaneously with soil gas sampling
 - Specific sampling locations were selected in consultation with EPA
 - Site walk through with EPA
 - Building construction and use information from Building Inventory Report
 - Consideration of HVAC / cooling system configuration and operations
 - Sampling conducted during lowest HVAC setting or HVAC off
 - · Results compared to Industrial Regional Screening Levels (RSLs) for indoor air
 - RSL for TCE = $3 \mu g/m^3$
 - RSL for PCE = $47 \mu g/m^3$



- Indoor Air Investigation Results July 2016
 - 44 Primary and 6 duplicate indoor air plus 7 outdoor air samples collected during initial sampling event.
 - 1 detection of PCE below RSL and 1 detection of TCA below RSL
 - TCE detected above RSL in office area of E building and in stock room in D Building Basement
 - Sampling conducted with HAVC off
 - Potential indoor air sources were inside stock room
 - All other results were non-detect across the entire campus



- Stock room and office area locations re-sampling August 2016
 - Potential indoor air sources removed from stock room
 - HVAC returned to normal operations
 - Re-sample and duplicate sample collected from office area
 - Re-sample collected from stock room
 - All results from re-sampling in both areas were non-detect



Indoor Air Results



- Summary
 - Two rounds of indoor / outdoor air sampling completed
 - Cold season sampling conducted March 2016
 - Warm season sampling conducted July/August 2016
 - Sampling results indicate vapor intrusion to indoor air is not an issue at the 52nd
 Street campus
 - Potential indoor air sources identified in maintenance area and stock room in D Building basement
 - EPA evaluating results to determine if investigation is complete





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