

## INTERVIEW DOCUMENTATION FORM

The following is a list of individuals interviewed for this Five-Year Review. See the attached contact record(s) for a detailed summary of the interviews.

<b>Wendoly Abrego</b> Name	--- Title/Position	<b>Phoenix Revitalization Corporation</b> Organization	<b>September 23, 2010</b> Date
<b>Pam Amarin</b> Name	<b>EHS Manager</b> Title/Position	<b>ON Semiconductor</b> Organization	<b>November 3, 2010</b> Date
<b>Betty Brannan</b> Name	--- Title/Position	<b>Community</b> Organization	<b>September 23, 2010</b> Date
<b>Martha Breitenbach</b> Name	--- Title/Position	<b>Community</b> Organization	<b>October 20, 2010</b> Date
<b>Steve Brittle</b> Name	<b>President</b> Title/Position	<b>Don't Waste AZ</b> Organization	<b>September 22, 2010</b> Date
<b>Rene Chase Dufault</b> Name	<b>President</b> Title/Position	<b>Lindon Park Neighborhood Association</b> Organization	<b>February 17, 2011</b> Date
<b>Josephine Duffy</b> Name	--- Title/Position	<b>Community</b> Organization	<b>September 23, 2010</b> Date
<b>Dave Christiana</b> Name	<b>Hydrologist</b> Title/Position	<b>ADWR</b> Organization	<b>October 26, 2010</b> Date
<b>Robert Frank</b> Name	<b>Senior Hydrogeologist</b> Title/Position	<b>CH2M Hill</b> Organization	<b>October 27, 2010</b> Date
<b>Les Holland</b> Name	--- Title/Position	<b>Community</b> Organization	<b>September 24, 2010</b> Date
<b>Michael Johnson</b> Name	<b>Councilman – District 8</b> Title/Position	<b>City of Phoenix</b> Organization	<b>October 20, 2010</b> Date
<b>Dr. Ruthann Marston</b> Name	<b>President</b> Title/Position	<b>Phoenix Elementary District #1 Governing Board</b> Organization	<b>September 22, 2010</b> Date
<b>Jenn McCall</b> Name	<b>Strategic Programs Manager</b> Title/Position	<b>Freescale Semiconductor</b> Organization	<b>October 26, 2010</b> Date
<b>Phil McNeely</b> Name	<b>Environmental Programs Manager</b> Title/Position	<b>City of Phoenix</b> Organization	<b>October 27, 2010</b> Date

<b>Troy Meyer-Kennedy</b> Name	<b>Remediation Manager</b> Title/Position	<b>Honeywell</b> Organization	<b>October 21, 2010</b> Date
<b>Gary Piers &amp; Lorana Mineer</b> Name	---	<b>Community</b> Organization	<b>September 24, 2010</b> Date
<b>Mary Moore</b> Name	<b>Vice President</b> Title/Position	<b>Lindon Park Neighborhood Association</b> Organization	<b>February 10, 2011</b> Date
<b>Manfred Plaschke</b> Name	<b>Project Manager</b> Title/Position	<b>Conestoga Rovers and Associates</b> Organization	<b>October 27, 2010</b> Date
<b>Julie Riemenschneider</b> Name	<b>Section Manager</b> Title/Position	<b>ADEQ - Remedial Programs</b> Organization	<b>October 27, 2010</b> Date
<b>Janet Rosati</b> Name	<b>Remedial Project Manager</b> Title/Position	<b>EPA – Region 9</b> Organization	<b>October 26, 2010</b> Date
<b>Tom Suriano</b> Name	<b>Principal Hydrogeologist</b> Title/Position	<b>Clear Creek and Associates</b> Organization	<b>October 26, 2010</b> Date
<b>Jason Weed</b> Name	<b>Project Engineer</b> Title/Position	<b>Gutierrez-Palmenberg</b> Organization	<b>October 26, 2010</b> Date
<b>Karol Wolf</b> Name	<b>Environmental Services</b> Title/Position	<b>Salt River Project</b> Organization	<b>October 27, 2010</b> Date
<b>Jerry Worsham</b> Name	<b>Attorney</b> Title/Position	<b>Gammage &amp; Burnham</b> Organization	<b>September 24, 2010</b> Date

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177	
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Katie Mayer	<i>Title:</i> Environmental Scientist	<i>Organization:</i> URS Corporation	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Pamela E. Amarin		<i>Title:</i> EHS Manager	
<i>Organization:</i> ON Semiconductor			
<i>Telephone No.:</i> 602-244-5078	<i>Office/Group:</i> Environmental, Health and Safety Dept.		
<i>Fax No.:</i> 602-244-5322	<i>Street Address:</i> 5005 East McDowell Road, MD-D10C		
<i>E-Mail Address:</i> p.amarin@onsemi.com	<i>City, State, Zip:</i> Phoenix, AZ 85008		
<i>Contact Type:</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i>		
<input type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i>	<i>Time:</i>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p><b>ON Semiconductor Environmental, Health and Safety (EHS) program manager for North America operations. Responsibilities also include management of the Phoenix location EHS Program.</b></p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p><b>No. ON Semiconductor does not own or operate the Motorola 52<sup>nd</sup> Street Superfund Site.</b></p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p><b>ON Semiconductor coordinates security access for Freescale's employees, contractors, and visitors. ON Semiconductor maintains the electrical power feed to Freescale's site operations. ON Semiconductor uses treated water from Freescale's site operations to produce deionized water used in wafer fabrication. ON Semiconductor coordinates logistics with Freescale prior to Freescale's drilling of monitoring wells or similar activity to prevent disruption of emergency egress from or utility services to ON Semiconductor owned buildings.</b></p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>			

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<b>Individual Contacted:</b>		
<i>Name:</i> Pamela E. Amarin	<i>Title:</i> EHS Manager	<i>Organization:</i> ON Semiconductor
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p><b>None.</b></p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Pamela E. Amarin	<i>Title:</i> EHS Manager	<i>Organization:</i> ON Semiconductor
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Pamela E. Amarin	<i>Title:</i> EHS Manager	<i>Organization:</i> ON Semiconductor
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Not applicable to ON Semiconductor.</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p><b>Yes. GPI is contracted by ON Semiconductor for hazardous material management projects. Their work is excellent.</b></p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p><b>Yes. Verbal and written communication from the Freescale superfund site manager and by employees of Clear Creek Associates, the environmental engineering firm contracted by Freescale.</b></p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p><b>Adequate coordination of Freescale drilling projects so ON Semiconductor operations are not impacted.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Pamela E. Amarin	<i>Title:</i> EHS Manager	<i>Organization:</i> ON Semiconductor
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p style="margin-left: 40px;"><b>Source for water reuse; water conservation.</b></p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p style="margin-left: 40px;"><b>None.</b></p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p style="margin-left: 40px;"><b>None.</b></p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p style="margin-left: 40px;"><b>None.</b></p>		

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<b>Contact Made by:</b>			
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ	
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<b>Individual Contacted:</b>			
<i>Name:</i> Martha Breitenbach	<i>Title:</i>	<i>Organization:</i> Community	
<i>Telephone No.:</i> (602) 275-3521		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 2020 N 49th Street, No. 2	
<i>E-Mail Address:</i> N/A		<i>City, State, Zip:</i> Phoenix, AZ 85008	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input checked="" type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i>	
<i>Type:</i> <input type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> October 20, 2010 <span style="float: right;"><i>Time:</i> 3:00 PM</span>	
<b>Summary of Conversation/Questionnaire Reponses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>  <b>Community member. Interested in all OUs.</b></p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>  <b>Not Applicable</b></p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>  <b>Not Applicable</b></p> <p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i>  <b>Not Applicable.</b></p>			

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Martha Breitenbach	<i>Title:</i>	<i>Organization:</i> Community
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>Not applicable.</b></p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p><b>Not Applicable.</b></p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p><b>Not applicable.</b></p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p><b>Not Applicable</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Martha Breitenbach	<i>Title:</i>	<i>Organization:</i> Community
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Not Applicable</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>Not Applicable</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>The amount of extracted VOCs from the OU1 system has changed over time. Martha has also noticed samplers starting to wear gloves while sampling.</p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>Over time new wells have been added to assess different areas of the Site and to expand the borders (contamination seems to have affected more area than originally thought).</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Martha Breitenbach	<i>Title:</i>	<i>Organization:</i> Community
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>Residents have reported issues with their foundations and other home structural issues because of subsidence from removal of groundwater from the subsurface.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Works in cooperation with fellow community members.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Martha has not been receiving notifications from ADEQ or EPA.</p> <p>There is a misperception by ADEQ that community members can not understand or would not be interested in the technical information for OU1. This is not true for Martha or others she has spoken with.</p> <p>ADEQ and community members have an adversarial relationship. Martha does not believe there can be a positive relationship between the community group and ADEQ because of past interactions. Martha does not think ADEQ staff take criticism well.</p> <p>Martha believes "we are trying to run out the clock", without any attempt to optimize or increase cleanup.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>Vapor intrusion status at OU1. Public health issues.</p>		



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<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<i>Telephone No.:</i> 602-740-0751	<i>Office/Group:</i>	<i>Street Address:</i> 1423 N. 50 <sup>th</sup> St
<i>Fax No.:</i>		<i>City, State, Zip:</i> Phoenix, AZ 85008
<i>E-Mail Address:</i> rchasedefault@gmail.com		
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i>	
<i>Type:</i> <input type="checkbox"/> <i>Visit</i> <input checked="" type="checkbox"/> <i>Other</i>	<i>Date:</i>	<i>Time:</i>
<b>Summary of Conversation/Questionnaire Responses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>Co-chair of the new M52 CIG; LPNA is the recipient of EPA Technical Assistance Grant for M52. I live in OU1 site. My backyard is next to the ON Semiconductor facility (the original Motorola 52<sup>nd</sup> Street plant). Through my involvement with the TAG on the CIG and as an attendee of all the previous M52 Community Advisory Group meetings since LPNA was formed in 2001 I have been involved with the entire M52 site.</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Under the TAG we have one technical advisor.</p>		
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>All of the site activities we have been aware of through the CAG, CIG and TAG.</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>Comments prepared by our Technical Advisor, Mario Castaneda, and those produced by LPNA's Vice President, Mary Moore.</p>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>I am pleased that EPA was finally able to move forward with the Vapor Intrusion Investigation in our area, although I am hopeful that our comments on the Soil Gas Sampling Work Plan will be addressed, especially the "trigger" concentration levels. I am also concerned about the final end use selected by Freescale for the treated groundwater and wish to express my support for injection as the appropriate end use throughout the M52 site.</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>Continued reluctance by ADEQ to move forward on the vapor intrusion investigation; ADEQ's refusal to hold CAG meetings and the lack of any substance in their community meetings; ADEQ's deafness to concerns raised by residents on the difficulty in attending meetings held at ADEQ headquarters before ADEQ stopped holding the meetings altogether; difficulties associated with the TAG having to hold so many meetings to present technical information to the public that was not being done by ADEQ while they held the Community Involvement Lead</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>Vapor Intrusion Investigation finally going forward with EPA lead and lead for Community Involvement transferring back to EPA in 2010; the range of topics and technical reports presented at TAG meetings</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p><b>Not Applicable</b></p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Resulted in additional investigation at the site for Vapor Intrusion</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>Not Applicable</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>Not Applicable</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>Not Applicable</b></p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Vapor Intrusion Guidance; New Jersey Low Level TO-15 Method which we would like to see used for soil gas sampling at our site</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p><b>I work with other neighborhood leaders, residents, business owners and other community representatives. I also work with EPA and ADEQ. The work done by ADEQ, which has the program management lead at OU1 and OU2 has continually deteriorated over this time period. While EPA has had the Community Involvement lead since the Spring of 2010, I believe the lead of the program management now needs to be returned to EPA as soon as possible to reinstate the public's trust in the oversight at the site.</b></p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p><b>No, ADEQ has not communicated site activities and issues adequately. Due to this massive shortcoming I was willing to step forward as a co-chair when the M52 CIG was formed in 2010. The use of telephone calls has been most helpful for me. I would like to see more of the historical site documents, data, and current reports available over the Internet</b></p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>My most significant concern is the level of oversight at OU1 and OU2 under ADEQ program management lead. Budget cuts and the technical expertise of key individuals remain a concern. Immediate concerns at OU1 include the end use of the treated groundwater, residents' concerns for observed subsidence in the area, the work plan that will be approved for the soil gas sampling investigation will be most protective of residents' long-term health, concerns about the agencies providing timely information to the public about vapor intrusion at OU2, and the apparent lack of transparency on activities and findings in OU2 area in particular at the Honeywell location.</p> <p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>There is always a potential for health effects. Everyone is concerned for health risks past, present and future if they continue to live in the area.</p> <p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Hopefully our comments and activities have resulted in more careful, more protective, and more consistent operations. It is hard to say what, if any, effects my activities have had on the site, but my hope is that my involvement puts a personal face on the impacts that others' decisions make affecting the health and welfare of the many residents who live in the area.</p> <p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>Although we were not given any additional information, it appears that the recent response to potential Vapor Intrusion at OU2 required immediate action. The speed of action taken is troubling, especially when the public is told that no details could be disclosed. It has raised the question in the OU1 area about what information and when it would be shared if any elevated samples are detected during the soil gas sampling.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Rene Chase Dufault	<i>Title:</i> President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>The M52 CIG meetings need to include more technical information so residents' questions and comments can be considered before decisions are made about the site operation. I would continue to request that EPA provide the primary oversight at the site and that all of the M52 contamination be recognized as part of the M52 site so a coordinated clean-up effort is made under the federal Superfund program instead of a Superfund remedy at OU3 and a state remedy in the West Van Buren WQARF area.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Scott Goodwin	<i>Title:</i> Project Hydrologist	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Dave Christiana	<i>Title:</i> Hydrologist	<i>Organization:</i> ADWR	
<i>Telephone No.:</i>		<i>Office/Group:</i>	
<i>Fax No.</i> 602-771-8690		<i>Street Address:</i>	
<i>E-Mail Address:</i>		<i>City, State, Zip:</i>	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> ADEQ		<i>Time:</i> 11:00 am
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> October 26, 2010		
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>I am involved in all three OUs (OU1, OU2, and OU3). I am involved in well permitting, including notices of intent to drill and water supply well permits, in and near the Site. I coordinate with ADEQ by sending copies of NOI and permit to Tom Di Domizio of ADEQ, who forwards the notices to the appropriate project manager.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>I do not supervise other. I used to be the supervisor of Water Quality Unit.</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>I have reviewed NOIs to drill monitoring wells, commented on well construction and location, and informed ADEQ and EPA of NOIs. There have not been any new water supply wells drilled in the site, however, we do have concerns in the "buffer zone" which is a one-mile boundary from the edge of the site; this boundary overlaps other Water Quality Assurance Revolving Fund (WQARF) and Department of Defense (DOD) sites.</p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>There are no ADWR-generated reports or well inventories in the area. Well inventories have been performed in other WQARF areas around the Site, but not the Motorola 52<sup>nd</sup> Street Site.</p>			

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Project Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dave Christiana	<i>Title:</i> Hydrologist	<i>Organization:</i> ADWR
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>None.</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>No difficulties.</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>ADWR continues to track activity in the area and forward that information to ADEQ. Since 2006, ADWR began notifying ADEQ of all well activity, with the exception of new wells (e.g., capping, abandonment) using monthly summary reports</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>No changes other than small streamlining changes as a result of coordinating with ADEQ.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Project Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dave Christiana	<i>Title:</i> Hydrologist	<i>Organization:</i> ADWR
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>All of the items discussed ensure no new receptors are added by keeping unauthorized individuals from drilling wells and drinking water. ADWR also notifies ADEQ before a well is abandoned in the area by another party. This has allowed ADEQ the opportunity to either collect groundwater samples or, as is currently happening in OU3, to take ownership of the well.</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>None known.</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>A Poor Quality Groundwater Withdrawal Permit governs the withdrawal and disposal of OU1 groundwater. No changes in this permit or effect on treatment.</p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>Not Applicable.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Project Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dave Christiana	<i>Title:</i> Hydrologist	<i>Organization:</i> ADWR
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>ADWR's new well impact and spacing rules were implemented in August 2006. These rules have not yet affected the Site, but could in the future. ADWR has also changed the statutes, such that the water quality aspects of the AMA rules, are applied state-wide (i.e., a well in Payson has the same water quality requirements as a well being drilled near OU1).</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>We routinely work with ADEQ, EPA, drillers, and consultants. These interactions are professional.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>ADWR is on the ADEQ mailing lists for site activities and public notices. ADWR also communicates with ADEQ Waste Programs should they have questions about wells. ADWR does not feel a change in communication necessary. All contact with ADEQ is through Tom Di Domizio.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>I have no concerns. I have faith in ADEQ and EPA to resolve all Site issues.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Project Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dave Christiana	<i>Title:</i> Hydrologist	<i>Organization:</i> ADWR
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>No effects on ADWR, aside from the additional NOIs for wells. I imagine that well installation and sampling is disruptive to the community (i.e., traffic restrictions), but I expect these are short-lived.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>The ADWR permitting process has been cooperative and not hindered the progress of the remedy.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>No</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>No suggestions.</p>		

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ	
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<b>Individual Contacted:</b>			
<i>Name:</i> Robert Frank		<i>Title:</i> Senior Hydrogeologist	
<i>Organization:</i> CH2M Hill			
<i>Telephone No.:</i> 480-966-8188	<i>Office/Group:</i> Environmental		
<i>Fax No.:</i> 580-784-6263	<i>Street Address:</i> 2625 S. Plaza Dr., Suite 300		
<i>E-Mail Address:</i> Robert.Frank@CH2M.com	<i>City, State, Zip:</i> Tempe, AZ 85282		
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> ADEQ		
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> October 27, 2010	<i>Time:</i> 1:00 pm	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>CH2M Hill is the consultant for Honeywell International at OU2 in addition to being involved in OU3. CH2M Hill also reviews some documents for OU1, but is not directly involved.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>I do not supervise others involved in Site activities.</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>OU1 – CH2M Hill reviews documents submitted by Freescale-Semiconductor Inc. to the Agencies.</p> <p>OU2 – CH2M Hill worked on the transition from the Remedial Investigation to the Feasibility stage for the Honeywell underground storage tank (UST) facility, which includes filling data gaps from the Remedial Investigation (RI). I am the senior reviewer and author of groundwater monitoring reports involved in the bioenhanced soil vapor extraction (BSVE) UST remedy at the Honeywell facility. I am also one of the senior reviewers for OU2 related documents including Effectiveness Reports.</p> <p>OU3 – We perform very minor work at this site.</p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>The OU1 Annual Effectiveness Reports</p> <p>OU1 Preliminary Bedrock Pilot Test Report</p> <p>OU2 Effectiveness Reports (submitted by CRA on behalf of the companies)</p> <p>Honeywell Addendum to the Focused Remedial Investigation Report (FRI)</p>			

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<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Robert Frank	<i>Title:</i> Senior Hydrogeologist	<i>Organization:</i> CH2M Hill
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>No.</b></p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p><b>No significant issues.</b></p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>From 2006 to date, the additional data collection and submittals for the RI achieved Agency approval of Honeywell's FRI</p> <p>More recently ADEQ approved the reduction of the groundwater monitoring network frequency (annual to semi-annual) and number of wells sampled</p> <p>The startup of the BSVE UST remedy</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>Changes in the groundwater monitoring well network frequency and number of wells sampled.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Robert Frank	<i>Title:</i> Senior Hydrogeologist	<i>Organization:</i> CH2M Hill
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>No effect on the protectiveness.</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>No effect on the treatment system.</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>No changes aware of in the system operation and maintenance.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>CH2M Hill is not involved in the optimization of the Honeywell OU2 system. Sampling requirements have had the opportunity for optimization by selecting only wells that are necessary for plume contouring and plume monitoring. The result in cost savings for Honeywell based on that approval was approximately \$10,000/year based on the 18 wells removed from the sampling schedule.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Robert Frank	<i>Title:</i> Senior Hydrogeologist	<i>Organization:</i> CH2M Hill
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>The biggest regulation that has affected CH2M Hill has been the revision of the Arizona SRLs (removal of total petroleum hydrocarbons and addition of trimethylbenzenes). This will have a large impact later on in the remedy.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Yes I routinely work cooperatively with others, particularly CRA, Freescale, and Clear Creek and Associates (in connection with Freescale). The companies and their companies have a collaborative relationship. CRA does a good job with the documents they provide for OU2. For the most part, the comments submitted to CRA by CH2M Hill are minimal.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Very effectively informed. Primarily through infrequent, but timely mailings, and the website.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>My most significant concern is the length of time needed for OU1 and OU2 to operate and the cost associated with that operation. As a recommendation, add supplemental treatment to shorten the length of the treatment or perhaps pursue a risk-based perspective.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report: 2011 Five-Year Review</i>		<i>Review Period: August 2006 - October 2010</i>
<b>Contact Made by:</b>		
<i>Name: Sherri Zendri</i>	<i>Title: Project Manager OU2</i>	<i>Organization: ADEQ</i>
<i>Name: Joellen Meitl</i>	<i>Title: Hydrologist</i>	<i>Organization: ADEQ</i>
<i>Name: Katie Mayer</i>	<i>Title: ADEQ Contractor</i>	<i>Organization: URS Corporation</i>
<b>Individual Contacted:</b>		
<i>Name: Robert Frank</i>	<i>Title: Senior Hydrogeologist</i>	<i>Organization: CH2M Hill</i>
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>Personally, Site activities have not had much of an effect. OU1 has helped in containing contamination at roughly 48<sup>th</sup> Street and has hopefully shortened the lifespan of OU2. OU2 has certainly captured contamination at 20<sup>th</sup> Street and has hopefully shortened the lifespan of anything down-gradient of OU2. Both remedies together have removed a significant amount of volatile organic compounds (VOCs).</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>My activities include providing comments and suggestion on monitoring and sampling.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>No. One issue that has been discussed is vapor intrusion, which I believed to be a concern to certain members of the public.</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>I believe the communication between ADEQ and EPA on submittal of comments could be improved.</p> <p>In the time I have spent on the project, I have come across new members to the team (both regulatory and consultant). Sometimes I have struggled with new member coming onto the project not recognizing the project existed before them. In other words, someone new might come onto the project and want to entirely change the direction of the project, which is not bad thing as long as the new member recognizes there is a reason we are doing things they way we are.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177	
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ	
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<b>Individual Contacted:</b>			
<i>Name:</i> Michael Johnson		<i>Title:</i> Councilman - District 8	
<i>Organization:</i> City of Phoenix			
<i>Telephone No.:</i>		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 200 West Washington, 11th Floor	
<i>E-Mail Address:</i>		<i>City, State, Zip:</i> Phoenix, Arizona	
<i>Contact Type:</i> <input type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call		<i>Location (if Visit):</i> Councilman's Office	
<input checked="" type="checkbox"/> Visit <input type="checkbox"/> Other		<i>Date:</i> October 20, 2010 <i>Time:</i> 11:30 am	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p><b>Councilman for the area. Not affiliated with a particular operable unit.</b></p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p><b>No supervision. The Councilman refers to the environmental department, which works for environmental control for the city.</b></p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p><b>Community meetings.</b></p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p><b>Not applicable.</b></p>			

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Michael Johnson	<i>Title:</i> Councilman - District 8	<i>Organization:</i> City of Phoenix
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>Not applicable.</b></p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p><b>No work at the Site. No concerns from the community to the Councilman's office. The Councilman is aware that the community has contacted ADEQ and/or EPA directly. If the communities issues were not adequately addressed be the agencies, he expects his office would be alerted.</b></p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p><b>Not Applicable.</b></p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p><b>Not Applicable.</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Michael Johnson	<i>Title:</i> Councilman - District 8	<i>Organization:</i> City of Phoenix
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Not Applicable.</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>Not Applicable.</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>Unknown.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>Unknown.</b></p>		

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Michael Johnson	<i>Title:</i> Councilman - District 8	<i>Organization:</i> City of Phoenix
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Not to the Councilman's knowledge.</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p><b>Not applicable.</b></p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p><b>Emails, written notifications, briefings from City of Phoenix staff, and periodic verbal contact from agency. The councilman is satisfied with these communication mechanisms and believes them to be effective.</b></p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p><b>The community is always concerned about the Site's environmental impact on their lifestyle and families.</b></p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Michael Johnson	<i>Title:</i> Councilman - District 8	<i>Organization:</i> City of Phoenix
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>As an elected official for the area, the Councilman believes any environmental impacts with the community is dealt with directly with the agencies.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Supports the community with their environmental concerns.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>No known complaints reported by the community.</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>If ADEQ or EPA believes the Councilman should be aware of any complaints or issues, he requests they please alert his office.</p>		

FIVE-YEAR REVIEW INTERVIEW RECORD		
Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site	EPA ID No.: AZD009004177	
Review Report: 2011 Five-Year Review	Review Period: August 2006 - October 2010	
Contact Made by:		
Name: Brian Stonebrink	Title: Project Manager OU3	Organization: ADEQ
Name: Katie Mayer	Title: ADEQ Contractor	Organization: URS Corporation
Name:	Title:	Organization:
Individual Contacted:		
Name: Troy Meyer-Kennedy	Title: Remediation Manager	Organization: Honeywell
Telephone No.: (973) 455-4279	Office/Group: Honeywell International	
Fax No.	Street Address: 101 Columbia Rd	
E-Mail Address: Troy.J.Meyer@honeywell.com	City, State, Zip: Morristown, NJ 07962	
Contact <input type="checkbox"/> Incoming Call <input checked="" type="checkbox"/> Outgoing Call	Location (if Visit):	
Type: <input type="checkbox"/> Visit <input type="checkbox"/> Other	Date: October 21, 2010	Time: 9:00 AM
Summary of Conversation/Questionnaire Responses:		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>Honeywell's Remediation Manager. Involved with OU2 and OU3.</p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Honeywell is an identified potentially responsible party (PRP). Honeywell utilizes CH2MHill as the prime consultant for the Facility Investigation at 34<sup>th</sup> Street. The OU3 working party (APS and Honeywell) contracts ERM as the joint consultant for OU3. The OU2 working party (Freescale and Honeywell) contract Conestoga-Rovers &amp; Associates (CRA) as the joint consultant for the OU2 groundwater extraction system, which manages the operation and reporting obligations.</p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>OU2:</p> <ul style="list-style-type: none"> <li>• Finalization of the Honeywell 34<sup>th</sup> Street Remedial Investigation</li> <li>• Focused human health risk assessment</li> <li>• Currently working on the focused Feasibility Study</li> <li>• Operation &amp; maintenance of the groundwater extraction system that went into operation in 2006</li> </ul> <p>OU3:</p> <ul style="list-style-type: none"> <li>• Currently undertaking (under an agreement with EPA oversight) the final phase of the remedial investigation and preparation of the Feasibility Study report for OU3. Honeywell is currently installing additional groundwater monitoring wells.</li> </ul>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site	<i>EPA ID No.:</i> AZD009004177	
<i>Review Report:</i> 2011 Five-Year Review	<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Troy Meyer-Kennedy	<i>Title:</i> Remediation Manager	<i>Organization:</i> Honeywell
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <ul style="list-style-type: none"> <li>• ADEQ-approved Remedial Investigation Report</li> <li>• Draft focus Human Health Risk Assessment</li> <li>• The 34<sup>th</sup> Street Bioenhanced Soil Vapor Extraction System (BSVE) Operation and maintenance manual – This describes soil vapor monitoring programs, groundwater monitoring, free-phase recovery, and operation and maintenance of treatment equipment at the Site.</li> <li>• Annual Groundwater Monitoring Reports - These reports are conducted in September and submitted early the following year. Prior to 2009, the Annual Groundwater Monitoring Reports were submitted semi-annually, but are now submitted annually.</li> <li>• Feasibility Study Work Plan and submittals</li> <li>• OU2 groundwater extraction system documentation, including             <ul style="list-style-type: none"> <li>○ Annual Effectiveness Reports - These describe plume containment and progress</li> <li>○ Monthly Operation Reports</li> <li>○ Quarterly Groundwater Monitoring Reports</li> </ul> </li> <li>• OU3 planning documents approved by EPA and the initial Groundwater Monitoring Report</li> </ul> <p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>No additional information.</b></p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>One difficult issue for Honeywell has been the lack of consistent expectations for the responsible party between ADEQ and EPA. Sometimes we find that we submit a document based on input from one agency and receive contrasting comments from the other agency. Honeywell suggests ADEQ and EPA compile one set of comments to the responsible parties.</p> <p>In performing the work there have also been inconsistencies in how vapor intrusion is being managed across the regions. Given that all regions are in the same Central Phoenix valley, the public would benefit from a concerted effort between all responsible parties in providing consistent information. For example, varying approaches or differences in language or definitions across the regions will make it more difficult for the public to compare between regions.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Troy Meyer-Kennedy	<i>Title:</i> Remediation Manager	<i>Organization:</i> Honeywell
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>Honeywell is excited for the startup of the BSVE system, which focuses on the soil vapor extraction of the jet fuel, but also has benefit for the chlorinated solvents. Honeywell believes they have good capture at the OU2 groundwater extraction system for the regional plume. Progress has also been seen in the completion of the Remedial Investigation and success in the determination there are no continuing sources to the chlorinated plume from the Honeywell site. Honeywell is now evaluating mass reduction opportunities in those areas of the plume where high levels persist. Honeywell feels confident they are making long term progress. Hopefully, with the initiation of the Remedial Investigation in OU3, Honeywell will be moving towards final resolution in OU3 in addition to meeting the community's expectations to restore the aquifer to beneficial use.</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>Honeywell has been consistent with the approach at the Site. This is a site with complex regional hydrogeology, so there have been improvements to the conceptual site model (CSM) where new information about bedrock elevation changes (particularly around OU2) that have been helpful for the OU2 containment evaluation. Honeywell continues to believe they are working under a good CSM. Honeywell is working with the OU2 and OU3 Working Parties for consistent terminology of the geology and hydrogeology in the different OUs. Discussions on this topic are making progress in trying to provide the public with clear communication about the groundwater condition.</p> <p>Progress has been seen at OU3 towards a final remedy, however Honeywell would have liked to have seen more PRPs involved in that effort. Honeywell hopes to see more PRPs assist during the final remedy.</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>Honeywell believes the BSVE system is controlling the migration of vapors in the vadose zone and remediating soil. Honeywell believes the elevated water table has created some challenges, which are currently being addressed. Risk to workers or neighboring facilities is well controlled and being addressed. This is the same with the OU2 system – there is evidence of reducing contaminant concentrations down-gradient of the OU2 treatment system (i.e., in OU3 area). At the Freescale OU1 system we see reductions on the down-gradient side. There are reductions on the up-gradient side of the Honeywell facility which Honeywell believes are related to the effectiveness of Freescale's OU1 system. All parties that are doing work are seeing fruit from that effort.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Troy Meyer-Kennedy	<i>Title:</i> Remediation Manager	<i>Organization:</i> Honeywell
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>All the remediation systems in place (Honeywell, Freescale, or the joint groundwater extraction system) are being consistently maintained. Honeywell is confident they have continued compliance in all of their discharge points to the Grand Canal. These remediation systems are driven by carbon loading and therefore the specific capacity of those vessels. Until a more innovative and efficient system that can have a dramatic impact on the mass of the plume can be found, the system will be driven by carbon loading.</p> <p>The BSVE system has made progress on the soil vapor and what can be extracted from the vadose zone. Honeywell will, in large part, count on a water table to drop for the full efficiency of that system. Due to the drought nature of a desert, Honeywell feels confident that the water table will drop again over the life of the system.</p> <p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>During the 5-year review period, Honeywell experienced increased costs with each well installation. Similarly, the BSVE system has had periodic sampling of the soil vapor at the wells and at the inlet.</p> <p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>Opportunities are always being evaluated. Sometimes it is a challenge to have a timely response on proposed optimization opportunities. There may be a perception that more data more frequently is always better; however, the data is not dramatically changing and therefore more frequent sampling does not necessary result in better information or better decision making. Honeywell believes the Agencies and the Parties are working with community input to come to a collaborative decision on that.</p> <p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>The biggest change has been the boron surface water quality findings in the discharges at the Grand Canal and the resulting evaluation of boron in the regional plume. This had not had an effect on current operating costs, but is currently being evaluated with respect to system operations. Honeywell anticipates changes with the TCE regional screening levels, but this has not had implications to date.</p>		

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<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Troy Meyer-Kennedy	<i>Title:</i> Remediation Manager	<i>Organization:</i> Honeywell
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Honeywell is in constant communication with the other PRPs that we are in working parties with (Freescale and APS). Honeywell is trying to work effectively and not put either agency in between these collaborative parties. In addition, Honeywell is investigating an ongoing operating efficiency. This requires constant communication with the facility's health, safety and environmental professionals and the operating professionals to identify what we are doing and the risk and measures in place to protect employees and contractors. Similarly, the Site contractors must have measures in place to protect them from risk associated with ongoing operation at the facility. Finally, working with the community to respond to their questions in a timely fashion, whether through the CIG, CAG (previously), or TAG (currently).</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Honeywell feels they are receiving regular notifications for public meetings. These notifications have been timely with advanced scheduling/notification from the agency, CAG, and CIG members, which is appreciated by travelling participants. Honeywell has also made an effort to provide key TAG members directly with copies of documents for their comment in addition to providing documents to the repositories for community review. Honeywell also performs regular checks of the administrative record for submittals from other Sites which may affect Honeywell's work. During quarterly meetings, the agency also provides updates on the other sites' activities.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>Ensuring education and awareness on the real risk associated with the perceived potential for soil vapor intrusion. It is a big challenge to consistently communicate that we are providing education for those that are concerned about it, and that we are providing a consistent approach to how we are evaluating the issue and informing the community of the risk at the regional and individual sites.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>Not surprisingly, it has had a large financial impact on Honeywell. Honeywell has spent many millions of dollars on the investigation and remedial actions taken (including those taken with the cooperative groups). Honeywell still believes this is the right thing to do. Honeywell also believes working cooperatively with the agencies and community will ensure the best decision, as well as working cooperatively with the other PRPs to ensure remedial actions are cohesive and successful. In addition, Honeywell is open to new technologies being implemented across the nation that may have application to our program. Sustainable concepts ensuring the groundwater resource is available long term when beneficial use is needed should play into remedial decisions.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Troy Meyer-Kennedy	<i>Title:</i> Remediation Manager	<i>Organization:</i> Honeywell
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>On the Site, Honeywell has created some disruption and required operations to shutdown, for example during well installations. Honeywell attempts to mitigate the disruption to nearby operations, for example by scheduling groundwater monitoring at the airport around flight schedules. Honeywell also notifies affected individuals in advance. Honeywell does not believe they have had a large impact to surrounding activities.</p> <p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>Honeywell is not aware of these issues. Security is high at the OU2 system in an attempt to stop these issues. The current Honeywell facilities have provisions for these issues. There are no known sources to the plume due to unknown dumping.</p> <p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>Communication can always be improved between all stakeholders. Honeywell recommends openness between the stakeholders about improvements using the appropriate pathways that have been established by the administration for constructive input back into the system.</p>		

FIVE-YEAR REVIEW INTERVIEW RECORD		
Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site		EPA ID No.: AZD009004177
Review Report: 2011 Five-Year Review		Review Period: August 2006 - October 2010
Contact Made by:		
Name: Wendy Flood	Title: Project Manager, OU1	Organization: ADEQ
Name: Katie Mayer	Title: ADEQ Contractor	Organization: URS Corporation
Name:	Title:	Organization:
Individual Contacted:		
Name: Jen McCall	Title: Strategic Programs Manager	Organization: Freescale Semiconductor
Telephone No.: 480-413-3290	Fax No. 480-413-3100	Office/Group:
E-Mail Address: Jenn.McCall@freescale.com	Street Address: 2100 E. Elliot Rd., M/D EL-614	
	City, State, Zip: Tempe, AZ 85284	
Contact <input type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call	Location (if Visit): ADEQ	
Type: <input checked="" type="checkbox"/> Visit <input type="checkbox"/> Other	Date: October 26, 2010	Time: 3:30 pm
Summary of Conversation/Questionnaire Responses:		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>I am the coordinator for Freescale Semiconductor Inc.'s remediation program. Currently Freescale Semiconductor is involved in OU1 and OU2.</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Freescale retains technical consultants and operation and maintenance (O&amp;M) consultants in support of Freescale's remediation activities.</p> <p>OU1 – GPI conducts O&amp;M of the treatment system at the former Motorola 52<sup>nd</sup> Street Facility. Clear Creek and Associates is the hydrologic &amp; technical consultant for OU1. They perform groundwater monitoring, well installations, preparing plans, interpretations of data, conducting studies, etc. in support of the remedy.</p> <p>OU2 – The Companies (Honeywell and Freescale) jointly operate the OU2 unit. Conestoga-Rovers and Associates (CRA) oversees the O&amp;M activities and functions as a hydrogeologic technical consultant. Clear Creek also reviews CRA's work in support of Freescale as a secondary review.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<b>FIVE-YEAR REVIEW INTERVIEW RECORD</b>		
<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jen McCall	<i>Title:</i> Strategic Programs Manager	<i>Organization:</i> Freescale Semiconductor
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>OU1 – In 2006, Freescale installed the FLUTe (Flexible Liner Underground Technology) well, DM-607 in OU1. In 2006 wells DM-609 and DM-610 were installed to define the northern boundary of the plume. In 2007, Freescale installed three wells along old Cross Cut Canal (DM-611, DM-612, and DM-613) to demonstrate the vertical capture. In December 2008 to March 2009, Freescale installed wells for the bedrock pilot study. Data collection for the one year bedrock pilot study started in December 2009 and is now complete.</p> <p>Previously, On Semiconductor had been using OU1 treated water for their manufacturing activities. On Semiconductor has stopped manufacturing activities and no longer has use for the OU1 treated water. ADEQ has approved for the OU1 treated water to be discharged to the sanitary sewer for a duration of one year. We are in the process of doing that now and construction should be beginning in the next few weeks. Freescale is actively looking for a new long term user for the OU1 treated water.</p> <p>For the latest work, Freescale has signed the Administrative Order of Consent (AOC) with the EPA, and has been working on the soil gas and vapor intrusion for indoor air evaluation. The draft workplan was submitted and commented on by the EPA. Freescale is in the process of addressing the EPA's comments.</p> <p>OU2 – In 2007, Freescale installed 5 groundwater monitoring wells 3 piezometers, and 1 soil boring (NW-15S, NW-16M, NW-17S, NW-18S, NW-18M, NW-19M, NW-19D, NW-20), which expanded the monitoring well network to demonstrate effective plume capture for OU2. In 2009, Freescale received approval for the substantive requirement of the AZPDES for boron under the mixing zone proposal. OU2 operation is running along smoothly.</p> <p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>Annual effectiveness reports for OU1. This is being revised under the new Consent Decree</p> <p>Semi-annual data reports for OU1</p> <p>Annual effectiveness reports, quarterly reports, and monthly reports for OU2</p> <p>Workplans, letters, and investigative updates associated with all programs (vapor intrusion, bedrock study, end-use, and well installation)</p> <p>Groundwater monitoring plan for OU1 (approved in September 2009).</p> <p>Consent decree in July 2010</p> <p>Groundwater Remedial Alternatives Analysis (GRAA) Original &amp; Addendum</p> <p>Application for the Boron mixing zone and Technical Memo</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jen McCall	<i>Title:</i> Strategic Programs Manager	<i>Organization:</i> Freescale Semiconductor
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>ADEQ Consent Degree from 2010  EPA UAO letter giving conditional termination of the Consent Degree  Previous Five-Year Review for reference  OU2 technical workgroup meeting minutes</p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>There have been a lot of personnel changes at both agencies (EPA &amp; ADEQ) which makes it necessary to refamiliarize the agency with information that already has already been presented, in addition to changes in formats. In the end, these personnel changes mean more time and money.</p> <p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>The annual effectiveness reports do a good job of summarizing work to demonstrate they are meeting objectives in OU1 &amp; OU2.</p> <p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>No changes or implementation.</p> <p>OU1 - A significant change has been the waste water connection to the sanitary sewer. The final end use for this water will be a big change to the ROD and LOD. Otherwise, O&amp;M at OU1 has been the same and is progressing. The results from the bedrock pilot study and soil vapor investigation are still to come.</p> <p>OU2 - Boron is being monitored more often to comply with the permit. Specific monitoring for boron on a regular basis as part of a sampling plan.</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jen McCall	<i>Title:</i> Strategic Programs Manager	<i>Organization:</i> Freescale Semiconductor
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>Nothing has been implemented that would not have already been. The effectiveness report shows the ongoing remedy is working.</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>No major changes to the O&amp;M.</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>In the September 2009, the groundwater monitoring plan for OU1 was approved. This plan included the following changes:</p> <ul style="list-style-type: none"> <li>• dropped dry and/or abandoned groundwater monitoring wells</li> <li>• adjusted the monitoring schedule to add the history of the new wells as they are added in 2006 through 2008.</li> <li>• begin monitoring for arsenic, boron, and nitrate, at ADEQ's request, in 6 wells in OU1 in September 2009 and September 2010, at which time their monitoring needs to be re-evaluated.</li> </ul> <p>The groundwater monitoring plan was submitted in April 2009, ADEQ's comments received on June 16, 2009, Freescale's comments submitted on August 17, 2009, and ADEQ's approval letter dated on September 14, 2009, table revisions were submitted in December 15, 2009.</p> <p>In OU2, new wells were added to the monitoring well network in 2007, which increased sampling.</p> <p>When new wells are added costs increase due to the installation fees in addition to maintenance and groundwater monitoring costs. In turn, when wells are removed from the monitoring well network, maintenance and groundwater monitoring costs decrease.</p> <p>In general, OU1 and OU2 costs continue to increase.</p>		

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<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jen McCall	<i>Title:</i> Strategic Programs Manager	<i>Organization:</i> Freescale Semiconductor
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>When looking at the overall long-term data we do not see changes that quickly. Freescale asks ADEQ perform a review, identifying opportunities to decrease the sampling frequency in some of the monitoring wells, perhaps bi-annually. We are not gaining any more information at the current sampling frequency and could see a decrease in costs if monitoring frequency is decreased.</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>Freescale began working with ADEQ on the vapor intrusion studies a while ago (2004-2005) and now the program has changed to EPA. This represents a large change in the approach and agency oversight for this program. The remedy (OU1 pump &amp; treat) is not affected by this, this does present a change to the overall OU1 program. Guidance has remained the same despite the change in agency.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Freescale tries to work cooperatively with both the agencies (EPA &amp; ADEQ) and Honeywell. The agencies provide oversight of all work product and remedy activities. Honeywell and Freescale work as a working part PRPs at OU2 for the O&amp;M and together submit one final work product.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>The agencies and Freescale do a good job of communicating. Freescale and the agencies use all forms of communication (e.g., emails, meetings [community and internal], fact sheets, and telephone conversations).</p>		

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<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jen McCall	<i>Title:</i> Strategic Programs Manager	<i>Organization:</i> Freescale Semiconductor
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p><b>No significant.</b></p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p><b>Freescale's operations benefits the surrounding community by conducting the remediation and cleaning up the contamination below the surface. Site cleanup is a benefit to everyone.</b></p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p><b>Freescale operates the remedies as well as possible. Freescale advances the remedy to operate with flexibility and to optimize the system for progression towards the remedial goals in the most efficient manner possible.</b></p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p><b>No known complaints.</b></p>		

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<b>Contact Made by:</b>			
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Phil McNeely		<i>Title:</i> Environmental Programs Manager	
<i>Organization:</i> City of Phoenix			
<i>Telephone No.:</i> 602-256-5669		<i>Office/Group:</i> Office of Environmental Programs	
<i>Fax No.:</i>		<i>Street Address:</i> 200 W Washington Street, 14th Floor	
<i>E-Mail Address:</i>		<i>City, State, Zip:</i> Phoenix, AZ 85003	
<i>Contact Type:</i> <input type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call		<i>Location (if Visit):</i> ADEQ	
<input checked="" type="checkbox"/> Visit <input type="checkbox"/> Other		<i>Date:</i> October 27, 2010 <span style="float: right;"><i>Time:</i> 10:00 AM</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>My role is as representing the City of Phoenix (COP) and their involvement with OU2 Honeywell cleanup on the airport property. The COP has a separate agreement with Honeywell International Inc. for security access on the airport property in order to conduct cleanup. COP is also the water provider for all 3 Operable Units (OUs). Currently, the COP is not pumping groundwater in this area, but when contamination is cleaned up the COP is planning on using this aquifer.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>As the COP Office Manager, I supervise Don Stoltzfus who works with many Superfund site. Phil works as a liaison between the contractors and other City Departments (e.g., he coordinates with the Streets Department for road closures).</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>I started in 2008. The COP is heavily involved in the airport cleanup. COP reviews all documents Honeywell produces for the State. Right of way permits in COP right-of-way. I have also worked with those involved with OU1 end-use groundwater destination.</p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>Comments on Honeywell documents. COP Aviation Department owns a part of the Honeywell property.</p>			

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Phil McNeely	<i>Title:</i> Environmental Programs Manager	<i>Organization:</i> City of Phoenix
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>Every 5 years there is a Water Resource Plan for determining future water resource supply. When that becomes available, it will give ADEQ/EPA an idea for COP resource allotment. Previous water resource plan was finalized in 2005.</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>The COP has put in a lot of new buildings since 2006, including the Convention Center and garages. The COP was concerned with vapor intrusion at some of these buildings. We have noted shallow groundwater and high trichloroethylene (TCE) concentrations on the east side of the plume, which caused a concern in these new buildings. COP realizes the final remedy is far down the road, so we took a proactive approach and installed ventilation systems to mitigate the risk in these new buildings. These systems require more money and planning, especially when building subsurface garages.</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>The Honeywell BSVE facility does a good job, but now the contamination is on the airport property. The BSVE system faces challenges because water has risen 20 feet since 2003 and has submerged the contaminated zone. North of the fence line there was more free product above the water table, but south of the fence line up to 90% of the petroleum on the airport property is under the water table. The current BSVE system is not designed to be effective below the water table.</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>The Corrective Action Plan that was approved by ADEQ under the UST Program made it clear that the BSVE is a not a groundwater remedy. Since conditions have changed, COP has asked Honeywell to consider alternatives because of the elevated water table.</p>		

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<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Phil McNeely	<i>Title:</i> Environmental Programs Manager	<i>Organization:</i> City of Phoenix
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>Three treatment systems (OU2 Granular-Activated Carbon system, OU1 Pump &amp; Treat system, and Honeywell BSVE system). The high water table is not efficient for the Honeywell BSVE treatment system. The Honeywell BSVE system issues are not affecting the OU1 or OU2 systems. The BSVE treatment system does not properly address vapor intrusion. The OU1 and OU2 systems are effective at containing their contaminant plumes, however east of 20<sup>th</sup> Street there is a significant source in the center of the plume that has gone unchecked and is now moving onto the West Van Buren Superfund Site.</p> <p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>If Freescale doesn't find an end-use for groundwater at the OU1 facility it could cause issues.</p> <p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>No.</p> <p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>Not Applicable.</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Phil McNeely	<i>Title:</i> Environmental Programs Manager	<i>Organization:</i> City of Phoenix
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>One problem is the potential issue with boron in the new end-use at OU1. Boron is naturally occurring in the Phoenix area above Aquifer Water Quality Standards. Boron is not an issue with discharging to the COP sewer system, but if the water is discharged to the SPR canal it will need to meet the boron surface water quality standards. This issue has already been addressed at OU2.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>The COP deals with ADEQ, PRPs, and consultants. This cooperation is mainly related to COP's storm drain system and control of right-of-ways. The COP does not interact with EPA.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Communication has been effective. I received the newsletter/fact sheets by email and invitations to all of the public meetings. Recently the public meetings have been held during lunch, but I can't attend these.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>The OU3 contaminant plume runs into the West Van Buren plume, creating a comingled plume. On West Van Buren ADEQ has down source control and early response action cleanups. But maps of the OU3 plume show a significant TCE plume running from OU3 into the West Van Buren site. I recommend these sites be considered a regional plume when developing a remedy, and not be divided by the arbitrary boundary of 7<sup>th</sup> Avenue. I am not proposing West Van Buren become part of the Motorola 52<sup>nd</sup> Street Superfund Site. This plan needs to be streamlined because EPA timelines can take many years, which would cause the contamination to spread even more in the West Van Buren site.</p> <p>The rising water table at the airport has cause the BSVE system to not be effective. The further south the contamination travels, the less effective the system will be at treating it.</p> <p>In the past, a waiver was submitted by Freescale to ADEQ and EPA requesting a waiver for the dense non-aqueous phase liquid (DNAPL) at OU1. The COP objects to this waiver because it would sacrifice water quality, preventing any future use of that groundwater.</p>		

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<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Phil McNeely	<i>Title:</i> Environmental Programs Manager	<i>Organization:</i> City of Phoenix
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>The surrounding community (Lindon Park Neighbor Association) have had concerns about Honeywell BSVE and vapor intrusion. In general, the community has been satisfied with the operation of the BSVE system and its ability to remove vapor. The community is still concerned about vapor intrusion along the OU1 plume.</p> <p>The COP is trying to redevelop the downtown area. For future remedies and systems, the COP will be monitoring the Motorola 52<sup>nd</sup> Street Site for interference in one of their future developments.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>The light rail may impact the locations of the wells and treatment systems. It will likely restrict future site development in that area (e.g., piping).</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>No.</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>The West Van Buren is currently in a large lawsuit brought by the Roosevelt Irrigation District against parties including the OU3 Parties, West Van Buren Parties, and COP. The Feasibility Studies for West Van Buren and OU3 cannot be separate because it is the same contamination that crosses the 7<sup>th</sup> Avenue boundary. The ADEQ and EPA must have a common remedy that will work for both of these plumes. Considering both of these sites in the final remedy will be more cost effective.</p>		

FIVE-YEAR REVIEW INTERVIEW RECORD		
<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
Contact Made by:		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
Individual Contacted:		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<i>Telephone No.:</i> 602-686-7267	<i>Office/Group:</i>	<i>Street Address:</i> 4839 E Brill Street
<i>Fax No.:</i> 602-296-0103		<i>City, State, Zip:</i> Phoenix, AZ 85008
<i>E-Mail Address:</i> m.i.moore@usa.net		
<i>Contact Type:</i> <input checked="" type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call	<i>Location (if Visit):</i> ADEQ	<i>Date:</i> February 10, 2011 <i>Time:</i> 3:00 pm
<i>Type:</i> <input type="checkbox"/> Visit <input type="checkbox"/> Other		
Summary of Conversation/Questionnaire Responses:		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>The Lindon Park Neighborhood Association was originally involved with OU1 as we are situated next to the former Motorola 52<sup>nd</sup> Street facility (currently ON Semiconductor), but our involvement has since increased to include OU2 and OU3 and the West Van Buren WQARF area. The Association is the technical assistance grant (TAG) recipient for the M52 Site (OU1, OU2, and OU3), which requires us to try to understand the entire site, to interpret and review site documents, to share that information with the community and to answer questions raised by residents.</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>As the Project Manager for the TAG, I supervise our technical advisor and work with others to set tasks and goals for our TA.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Name: Leana Rosetti</i>	<i>Title: Community Involvement Coordinator</i>	<i>Organization: EPA</i>
<i>Name: Katie Mayer</i>	<i>Title: ADEQ Contractor</i>	<i>Organization: URS Corporation</i>
<b>Individual Contacted:</b>		
<i>Name: Mary Moore</i>	<i>Title: Vice President</i>	<i>Organization: Lindon Park Neighborhood Association</i>

3. *What Site activities have you and/or those you supervise been involved in from 2006 to date?*
- The Lindon Park Neighborhood Association has tried to be involved in everything we have been aware of through our involvement with the CAG, CIG and TAG. Our activities have included:
- Reviewing available reports; preparation of public comments
  - Observing drilling for installation of new wells during the OU1 Bedrock Pilot Study
  - Attending and hosting community meetings
  - Observing groundwater quality sampling in OU2
4. *List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.*
- All public comments submitted to EPA or ADEQ by the Lindon Park Neighborhood Association, our technical advisor, Mario Castaneda, or by Mary Moore.
- Public Comments, filed with the Maricopa County Air Quality Department, on the Maricopa County Title V Air Permit Modification for Honeywell's BSVE System; Petition to Object, filed with the EPA, on the Maricopa County Title V Air Permit Modification for Honeywell's BSVE System; public comments, filed with the U.S. District Court, on the OU2 Consent Decree.

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<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>Freescale decommissioned multiple wells on the western fence line of the property (south of Brill Street) that were dry within the last 2 years. We had concerns that soil gas samples were not collected in these wells prior to abandonment. We believe there was potential for information to be collected.</p> <p>We would like to know more about the flow and transport through the bedrock fissures. I have been told that other Superfund sites do this characterization early on in the remedial investigation, but I don't see that this was included in the Motorola 52<sup>nd</sup> Street remedial investigation.</p> <p>I would like to see more information about injection - more specifically more information about issues due to the Site's size and differing hydrogeology. We would also like more information about new injection technologies. For OU1 and OU2, there was an Explanation of Significant Differences (ESD) made in 1999 and a decision not to inject groundwater into the subsurface. We question whether this decision should still stand and request that this decision be re-visited.</p> <p>The potential for land subsidence at this Site needs to be evaluated. Community members have reported in previous public meetings structural problems in their houses. According to the agencies and RPs, wells placed in OU1 since the beginning of the investigation have not been re-surveyed by the agencies or RPs. LPNA has brought up this issue at several public meetings. If land subsidence has occurred, this will have an effect on the groundwater contour maps being developed for the site to assess site remediation effectiveness.</p>		

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<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>The Association considers all of the state budget cuts a major problem that has affected the site. We are concerned about the number of staff changes on the project. In particular, the Association is extremely concerned about the oversight of the OU2 Honeywell Facility and the BSVE system. A promise was made by the UST Group that Phil McNeely had the expertise and would be reviewing reports and overseeing the BSVE work on the site under the ADEQ UST Program. Phil left ADEQ and was replaced by the OU2 project manager, Sherri Zendri, who did not share what she was doing with oversight of the UST program with the public. Now Sherri has left working on the site.</p> <p>We feel there is no continuity in personnel at ADEQ and EPA. When there are as many staff changes as has occurred at this site, you lose knowledge of the site, its history, and the people involved. We feel this has become an extreme problem at this site.</p> <p>Unfulfilled promises. One example is during the Honeywell settlement, Honeywell disclosed over 100 other potential source areas. The Association wanted and was told by the Attorney General's office a public meeting discussing this settlement would be held by ADEQ after the settlement was finalized (Sherri spoke for only a few minutes at a TAG meeting; the Attorney General's office declined an invitation to speak at a community meeting). When a list of these source areas was requested at the TAG meeting, we were told that there was no list. The Association questioned how the settlement was enforceable if no list of source areas was included. No meeting has been held to this date.</p>		

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<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association

7. *Describe any progress and/or successes achieved by your work at the Site from 2006 to date.*

Progress has been seen in...

- The EPA's heading up of the Site's community involvement. ADEQ stopped holding CAG meetings and did not present adequate technical information or disclosure of site activities at public community meetings held instead of CAG meetings or at TAG meetings.
- The vapor intrusion investigation (headed up by the EPA) is moving forward. We expended a lot of effort advocating for this investigation with EPA and ADEQ; we made presentations at two national vapor intrusion workshops. This vapor intrusion investigation could not move forward under ADEQ, but required EPA's lead.
- The Association's effort in trying to bring information about activities at the Site to the public, especially when no/few public meetings were being held. In addition, the Association efforts to provide site information/meetings to the Hispanic community living within the site boundaries.
- The Association's efforts to provide public awareness about superfund issues through water workshops to elementary school children, teachers, and the general public. In addition, the Association's efforts to interact with the University of Arizona Superfund Research Program by bringing U of A researchers to public meetings.
- The Association's efforts to provide public awareness about superfund issues to the local community through radio interviews on local Spanish radio stations.

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<b>Individual Contacted:</b>		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>Comments have been submitted on the Vapor Intrusion Soil Gas Sampling Investigation Work Plan. We are hopeful that some of these comments may result in changes. Also, some of the Association's comments on reports and field observations may have resulted in some changes to sampling procedures.</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>The Association would view anything that has come from the community as having a positive effect if it has made the approach more protective or effective. Examples include the Association's comments on the Maricopa County Title V Air Permit Modification for Honeywell's BSVE System, the OU2 Consent Decree, and our advocacy for a Vapor Intrusion Investigation at OU1.</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>I do not know how much, if any, our comments have had a real effect on treatment system O&amp;M, but we have tried to have an effect.</p> <p>In the TAG's OU2 Consent Decree comments, the Association requested more or better O&amp;M manual documentation, which may have affected the system O&amp;M. The Association wants to know more information about system O&amp;M and the site's Quality Assurance/Quality Control Plans.</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>Not Applicable.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>Not Applicable.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>The Association is anxious to see some of the proposed changes be implemented, such as a lowering of the Maximum Contaminant Level (MCL) in water for TCE from 5 ppb to 1 ppb.</p> <p>The Vapor Intrusion Guidance update and the New Jersey Low Level TO-15 Method have impacted previously proposed work and helped us form comments on the soil gas sampling investigation work plan at our Site.</p> <p>It has been recently reported that hexavalent chromium has been found in City of Phoenix drinking water. The City of Phoenix will be changing their testing so that they can report hexavalent chromium and not just total chromium. Although this is unrelated to our site remedial actions it is a good example of how procedures need to change when additional information becomes available and concerns are raised.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>The Association works cooperatively with agencies, responsible parties and their consultants, community members, community leaders and other community representatives, business owners, and politicians as well as EPA and ADEQ. Unfortunately, Arizona is not a state known for strong business or environmental regulation and this filters down in uncertain ways. As community members, we may be confused about how and why certain decisions are made, because it appears that decisions are being made by those higher up in the agency or in the state, and not by the technical people with experience and knowledge of the Site. By not knowing who is making decisions and why, it makes the many members of the community and the Association feel uncomfortable with the state lead at OU1 and OU2 and results in a loss of public trust.</p>		

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<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association

15. *Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?*

I believe the Association has not always been effectively informed of all Site activities and issues. There seems to have been some work, particularly by ADEQ, that the Association has not seen and was not aware had been conducted; in particular, I have been told that the OU2 ADEQ project manager had been writing comments as part of overseeing the Honeywell BSVE system.

I don't feel that it is right for the community to feel it needs to have a person routinely submitting public record requests to check for newly submitted documents. Public information should be more accessible and more readily shared as it was in the past. I don't know how best to do this, but I feel better communication is the key.

Public documents are kept at the library repository, but if not all of the documents and comments are included, such as all of the BSVE system reports and comments made by ADEQ, then the repository does not provide the public with a complete enough picture of the Site activities and issues. Without all of the documents, including comments, it is difficult for me to understand what is happening at the site.

At the Saguaro repository, the information is only on CD. The Saguaro library lacks enough computer resources, and the Motorola 52<sup>nd</sup> Street Site no longer has a dedicated computer to use for document review. At Burton Barr, there are hard copies and CDs; however, in the past the documents have been difficult to sort through because there were so many shelves and documents were not systematically filed. I have not visited Burton Barr since the records were removed, updated and returned by EPA so I cannot attest to the ease of finding documents now. I am asking whether any information that was previously available for the M52 Site on the shelves at Burton Barr is no longer available. I believe EPA should make the list of documents available in the repositories accessible over the Internet. I would like to see relevant comments and letters from ADEQ and EPA available with the documents.

I appreciate that documents are on the website. However, I have occasionally had linking problems with the EPA website and find the description of posted documents sometimes not informative enough. In the past the ADEQ website was very confusing to navigate and while it has been updated, and is less confusing, it still has limited information available.

I suggest keeping all documents on the EPA website for easier access. It would be nice if the list of documents available in the repositories could be posted on the Internet with live links to the documents on the EPA website. This would allow for searching in a single place for information with the benefit of knowing which, if any, documents would need to be found at a repository.

The Association is looking for an additional repository location in the site boundaries.

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<b>Individual Contacted:</b>		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>The public is concerned about the length of time required for the cleanup.</p> <p>The public is also concerned that we are using outdated technology at the site. Pump and treat is an old technology that has not worked that well over time. We should be looking at alternative technologies and evaluating their potential application at our site.</p> <p>The ratio of agency people involved to one member of the public during interviews for these updates. During the Community Involvement Plan Update Interview, one member of the public observing an interview in progress asked if the community member was giving a deposition and not an interview. We might want to look at more than just one format for gathering the information. I suggest scheduling public meetings for each operable unit where more community members can be involved. These meetings could help community members remember additional concerns or questions by listening to others as well as encourage residents to speak their thoughts.</p> <p>Another significant concern is the effect of budget cuts and the experience and/or level of technical expertise of key individuals on program oversight at OU1 and OU2. Current areas where comments have been submitted or will be submitted include the end use of the treated groundwater at OU1, the Soil Gas Sampling Investigation work plan and suggestions to make it more protective of long-term health risks with data that might be re-examined if/when standards change, concerns about timely information being provided to the public in sufficient detail to understand the issues/data, possible strategies for looking at subsidence in OU1, and the need for presentation of detailed information on activities in the OU2 area and at the Honeywell location.</p> <p>The Association (and the community) has been concerned about site investigation practices that were not properly followed. Investigative derived waste (soils) has been removed from the site and transported to the TSD Facility without the proper characterization procedures, specifically during the drilling of the bedrock investigation. No health and safety plans were shared with the Association (or community) prior to the drilling activities. This issue has been raised to EPA in previous public meetings.</p> <p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>Personally, for me, it requires a lot of my time. Through my efforts I have learned things that I never thought I would know before. All of us wonder about the health risks that may have occurred in the past at this Site as well as any that may still be occurring.</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Mary Moore	<i>Title:</i> Vice President	<i>Organization:</i> Lindon Park Neighborhood Association
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Unknown. The Association's involvement and activities have been and will continue to be made with the hope that our comments and activities result in more careful, more protective, and more consistent decisions and operations at the M52 Superfund Site.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>Residents have raised questions about how much information and when such information will be shared with the public during the OU1 Soil Gas Sampling Investigation after the announcement at a CIG meeting of action being taken in the OU2 area was coupled with being informed that no specific information could be shared, especially since it appeared that some type of rapid response was being undertaken in a limited area in OU2 to investigate potential vapor intrusion.</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>Present more substance in the CIG meetings. We see progress by the EPA on this in every CIG meeting. I am optimistic there will be a format found that will find a good balance. It is important that more technical information be presented in a timely manner so that the concerns and views of residents may be incorporated into the decision-making process. The inclusion of all of the M52 contamination within the currently recognized M52 Superfund Site boundaries would allow decisions on the OU3 and any additional treatments to be coordinated and inclusive of all the data on our Site contamination.</p>		



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Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site	EPA ID No.: AZD009004177
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### Contact Made by:

Name: Sherri Zendri	Title: Project Manager OU2	Organization: ADEQ
Name: Joellen Moertl	Title: Hydrologist	Organization: ADEQ
Name: Katie Mayer	Title: ADEQ Contractor	Organization: URS Corporation

### Individual Contacted:

Name: Manfred Plaschke	Title: Project Manager	Organization: Conestoga-Rovers & Associates Inc. (CRA)
Telephone No.: 602 7499400	Office/Group: Phoenix	
Fax No. 602 749 9500	Street Address: 4050 E. Cotton Center Blvd. Suite 49	
E-Mail Address: mplaschke@craworld.com	City, State, Zip: Phoenix, AZ 85040	
Contact <input type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call	Location (if Visit): ADEQ	
Type: <input checked="" type="checkbox"/> Visit <input type="checkbox"/> Other	Date: 10/27/10	Time: 8:30 a.m.

### Summary of Conversation/Questionnaire Responses:

1. *What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?*  
 CRA is the supervising contractor selected by the Companies (Freescale Semiconductor Inc. and Honeywell International Inc) in 2001 for 52<sup>nd</sup> Street Superfund Site, Operable Unit 2 (OU2). CRA operates and maintains the 20<sup>th</sup> Street Groundwater Treatment Plant (OU2 Interim Remedy) collects process and groundwater samples and prepares periodic compliance reports including annual remedy effectiveness reports for the facility in accordance with the U.S. Environmental Protection Agency (EPA) Second Amended Unilateral Administrative Order (UAO) (98-15) and Salt River Project (SRP) private use agreement. CRA is also getting ready for changeover to ADEQ lead and meeting the requirements of the ADEQ Consent Decree.
  
2. *Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?*  
 Yes. I am the CRA project manager and oversee the operations and maintenance (O&M) and hydrogeology and technical consulting work at the site with the use of subcontractors and direct contractors.  
Direct Vendors/Contractors:  
 Granular activated carbon (GAC) changeouts by the Companies selected vendor – either Calgon (2006) or Siemens (2007 to present);  
CRA Subcontractors:  
 Investigation Derived Waste – soil from well drilling – Phillips Services or MP Environmental – transport soils to Butterfield Station Landfill in Mobile, Arizona  
 Groundwater Monitor Well Installation/ Piezometers and Soil Boring Drilling – Boart Longyear Inc.  
 Monitoring and Extraction Well Redevelopment/ Extraction Well Pump Repairs and Replacements: Yellow Jacket Drilling, WDC Exploration and Wells, Boart and Layne  
 GAC vessel lining repairs – Optco (2008)  
 Test America – laboratory analytical testing of process, soil and groundwater samples  
 Thermofluids – used line shaft turbine oil – for recycling
  
3. *What Site activities have you and/or those you supervise been involved in from 2006 to date?*
  - overall management of the day-to-day operation, maintenance, and monitoring requirements;
  - preparation of the monthly treated water reports and other reports as required by the Companies;

## FIVE-YEAR REVIEW INTERVIEW RECORD

Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site		EPA ID No.: AZD009004177
Review Report: 2011 Five-Year Review		Review Period: August 2006 - October 2010
<b>Contact Made by:</b>		
Name:	Title:	Organization:
Name:	Title:	Organization:
Name:	Title:	Organization:
<b>Individual Contacted:</b>		
Name: Manfred Plaschke	Title: Project Manager	Organization: Conestoga-Rovers & Associates Inc. (CRA)
<ul style="list-style-type: none"> <li>• financial accounting for supply and equipment purchases, payroll, and disbursements associated with the operation, maintenance, and monitoring requirements of the Site;</li> <li>• Attendance at meetings regarding the Site operation, maintenance, and monitoring activities;</li> <li>• Liaison at the Site with Site Operator and Site maintenance subcontractors, equipment suppliers, consulting engineers, Companies, EPA and ADEQ representatives, and contract services companies;</li> <li>• Inspection of the Site components to ensure that these components are maintained according to the requirements stipulated by the Companies;</li> <li>• Management and maintenance of the Site database and the daily, weekly, monthly, semi-annual, and annual recordkeeping logs;</li> <li>• Maintenance of a spare parts inventory for equipment, production supplies, and office supplies, and as such, is responsible for ordering of materials;</li> <li>• Arrange for delivery and pick up of equipment and supplies; and</li> <li>• Arrange for off-Site disposal of office and treatment facility generated waste</li> <li>• Routine groundwater monitoring, including hydraulic monitoring, specific sample collection, sample analyses, and reporting tasks is completed in order to meet the following monitoring requirements:             <ul style="list-style-type: none"> <li>○ hydraulic monitoring to demonstrate capture of the observed plume;</li> <li>○ water quality monitoring to delineate the observed plume and monitor changing water quality conditions over time; and</li> <li>○ additional groundwater extraction, treatment, and discharge subsystem performance monitoring to evaluate the operation of specific unit operations.</li> </ul> </li> <li>• 2007 - Completed installation of (5) additional groundwater monitoring wells, (3) piezometers and (1) soil boring (NW 15-S, NW16-M, NW17-S, NW18-S &amp; M and NW19-M&amp;D and NW-20) – expands OU2 GES monitoring wells network to demonstrate effective plume capture.</li> <li>• 2009 - Obtained approval for monitoring plan and discharge of OU2 treated water to meet the substantive requirements under the AZPDES for boron under the boron with the mixing zone proposal to the Grand Canal operated by the SRP.</li> </ul> <p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <ul style="list-style-type: none"> <li>• Monthly progress reports (due on 15<sup>th</sup> of each month to EPA and ADEQ for preceding month) –2006 through 2010 -50 total - during the 4+ year review period;</li> <li>• Quarterly groundwater monitoring reports (due on 15<sup>th</sup> of each month to EPA and ADEQ) (2006 through 2010 -- 17 total):             <ul style="list-style-type: none"> <li>i. June through August 2006 Groundwater Monitoring Report, 52nd Street Superfund Site, Operable</li> </ul> </li> </ul>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Manfred Plaschke	<i>Title:</i> Project Manager	<i>Organization:</i> Conestoga-Rovers & Associates Inc. (CRA)
<p>Unit 2 Area, Phoenix, Arizona. Letter report dated October 13, 2006.</p> <ul style="list-style-type: none"> <li>ii. September to November 2006 Groundwater Monitoring Report. Letter report dated January 15, 2007.</li> <li>iii. December 2006 to February 2007 Groundwater Monitoring Report. Letter report dated April 13, 2007.</li> <li>iv. March to May 2007 Groundwater Monitoring Report. Letter report dated July 15, 2007.</li> <li>v. June through August 2007 Groundwater Monitoring Report. Letter report dated October 15, 2007.</li> <li>vi. September to November 2007 Groundwater Monitoring Report. Letter report dated January 15, 2008.</li> <li>vii. December 2007 to February 2008 Groundwater Monitoring Report. Letter report dated April 15, 2008.</li> <li>viii. March to May 2008 Groundwater Monitoring Report. Letter report dated July 15, 2008.</li> <li>ix. June through August 2008 Groundwater Monitoring Report. Letter report dated October 15, 2008.</li> <li>x. September to November 2008 Groundwater Monitoring Report. Letter report dated January 15, 2009.</li> <li>xi. December 2008 through February 2009. Letter report dated April 15, 2009</li> <li>xii. March 2009 through May 2009. Letter report dated July 15, 2009</li> <li>xiii. June 2009 through August 2009. Letter report dated October 15, 2009</li> <li>xiv. September 2009 through November 2009. Letter report dated January 15, 2010</li> <li>xv. December 2009 through February 2010. Letter report dated April 15, 2010</li> <li>xvi. March 2010 through May 2010. Letter report dated July 15, 2010</li> <li>xvii. June 2010 through August 2010. Letter report dated October 15, 2010</li> </ul> <ul style="list-style-type: none"> <li>• Annual Effective Reports (due on 15<sup>th</sup> of April for previous year to EPA and ADEQ) – 4 total; and many responses to EPA and ADEQ comments (2006 through 2009);             <ul style="list-style-type: none"> <li>i. Effectiveness Report-2006, 52nd Street Superfund Site, Operable Unit 2 Area, Phoenix, Arizona. April 13, 2007.</li> <li>ii. Effectiveness Report-2007, 52nd Street Superfund Site, Operable Unit 2 Area, Phoenix, Arizona. April 15, 2008.</li> <li>iii. Effectiveness Report-2008, 52nd Street Superfund Site, Operable Unit 2 Area, Phoenix, Arizona. April 15, 2009.</li> <li>iv. Effectiveness Report-2009, 52nd Street Superfund Site, Operable Unit 2 Area, Phoenix, Arizona. April 15, 2010.</li> </ul> </li> <li>• Other Key Documents             <ul style="list-style-type: none"> <li>i. Revised Technical Memorandum including Work Plan to Install Additional Groundwater Monitor Wells / Piezometers/Soil Boring at Six Locations, 52nd Street Superfund Site, Operable Unit 2 Area, Phoenix, Arizona. May, 25, 2007. (Addendum Revised June 18, 2007).</li> <li>ii. Addendum to Construction Completion Report, Results of Additional Groundwater Monitor Well, Piezometer and Soil Boring (NW15-S, NW16-M/D, NW17-S, NW18M/D, NW19-M/D, NW20) Installation</li> </ul> </li> </ul>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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Review Report: 2011 Five-Year Review		Review Period: August 2006 - October 2010
<b>Contact Made by:</b>		
Name:	Title:	Organization:
Name:	Title:	Organization:
Name:	Title:	Organization:
<b>Individual Contacted:</b>		
Name: Manfred Plaschke	Title: Project Manager	Organization: Conestoga-Rovers & Associates Inc. (CRA)
(Report dated: January 21, 2008)		
<ul style="list-style-type: none"> <li>iii. Mixing Zone Calculations and Proposed Monitoring Plan (Report dated July 2, 2009) and Addendum (Letter dated October 2, 2009); and</li> <li>iv. Many responses to EPA and ADEQ comments (2006 through 2009)</li> </ul>		
<ul style="list-style-type: none"> <li>• Consent Decree to conduct Interim remedy; entered on July 13, 2010 between Freescale, Honeywell, Aviall, Kachina, Joray. (There is a stipulation to add additional non-working party settling defendants) filed 9/8/2010 and EPA has issued a letter (dated 9/10/2010 and extended to Oct 11<sup>th</sup>) of conditional termination of existing UAO (second amended UAO docket No 98-15) pending modification of CD. O&amp;M Manual is being modified to conform to the new CD and SOW.</li> </ul>		
<p>5. Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</p> <ul style="list-style-type: none"> <li>• Periodic Technical Work Group meeting minutes – 2006 and 2008</li> <li>• Comments to September 25, 2006 ADEQ/LFR Second Five Year Review, Operable Unit 2 Area, Motorola 52nd Street Superfund Site, Phoenix, Arizona. January 5, 2007.</li> </ul>		
<p>6. Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</p> <p>None. There have been a lot of personnel changes at the Agencies that have necessitated explanation/changes to information and format presented/included in reports and therefore increased costs.</p>		
<p>7. Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</p> <ul style="list-style-type: none"> <li>• Boron mixing zone application approved by ADEQ on September 2, 2009</li> <li>• As summarized in the effectiveness reports, the current interim remedy is effective in achieving its objectives as stated in CD for OU2. <b>— CONTAINMENT</b></li> <li>• 2008 - Consensus reached at Technical Work Group Meeting Regarding Containment – TWG 2008 Meeting Minutes (submitted as part of 2009 Effectiveness Report Response to EPA/ADEQ Comments (Letter dated October 2010)</li> </ul>		
<p>8. Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</p> <p>Not significant changes in O&amp;M Manual and reporting frequency planned to conform to new CD.</p>		
<p>9. What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</p> <p>See answer to question 7.</p>		
<p>10. What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site	EPA ID No.: AZD009004177	
Review Report: 2011 Five-Year Review	Review Period: August 2006 - October 2010	
<b>Contact Made by:</b>		
Name:	Title:	Organization:
Name:	Title:	Organization:
Name:	Title:	Organization:
<b>Individual Contacted:</b>		
Name: Manfred Plaschke	Title: Project Manager	Organization: Conestoga-Rovers & Associates Inc. (CRA)
<p>No major changes.</p> <p>11. Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</p> <p>Added New wells in 2007as outlined in 3 and 4, above.</p> <p>12. Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</p> <p>Beginning in 2008, the Companies conducted semi-annual groundwater quality sampling of entire OU2 monitor well network. From 2005 through 2007, the Companies had monitored a subset of 14 OU2 GES southern area monitoring wells on a quarterly basis. Sufficient data had been collected to demonstrate southern TCE plume boundary and plume containment. This reduction in the number of wells sampled, provided a cost savings to the Companies.</p> <p>13. Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</p> <p>Soil Gas and Vapor Intrusion studies are planned in other parts of the Superfund site (OU1 and OU3).</p> <p>14. Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</p> <p>Yes.</p> <p>Shaw – EPA oversight for split sampling.</p> <p>CH2MHILL – Honeywell.</p> <p>Clear Creek Associates – Freescale.</p> <p>15. Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</p> <p>Yes. Email, mail, telephone, community meetings, agency meetings.</p> <p>16. What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</p> <p>No significant concerns/issues as of this date.</p> <p>17. What effects have the Site or Site operations had on you (or the surrounding community)?</p> <p>Remediation activities benefit the surrounding community by remediating existing contamination</p> <p>18. What effects, if any, have your activities had on the Site or Site operations?</p> <p>See above.</p> <p>19. Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</p> <p>No. <i>Not at present. Boron issue was big.</i></p> <p>20. Do you have any comments, suggestions, or recommendations to improve Site activities?</p> <p>No.</p>		

### FIVE-YEAR REVIEW INTERVIEW RECORD

*Site Name:* Motorola 52<sup>nd</sup> Street Superfund Site

*EPA ID No.:* AZD009004177

*Review Report:* 2011 Five-Year Review

*Review Period:* August 2006 - October 2010

#### Contact Made by:

*Name:*

*Title:*

*Organization:*

*Name:*

*Title:*

*Organization:*

*Name:*

*Title:*

*Organization:*

#### Individual Contacted:

*Name:* Manfred Plaschke

*Title:* Project Manager

*Organization:* Conestoga-Rovers & Associates Inc. (CRA)

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Julie Riemenschneider	<i>Title:</i> Section Manager	<i>Organization:</i> ADEQ – Remedial Programs
<i>Telephone No.:</i>		<i>Office/Group:</i>
<i>Fax No.:</i>		<i>Street Address:</i>
<i>E-Mail Address:</i>		<i>City, State, Zip:</i>
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> ADEQ Phoenix Office	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> October 27, 2010	<i>Time:</i> 3:30 PM
<b>Summary of Conversation/Questionnaire Responses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>  <b>Sitewide involvement – Julie is the Section Manager for the Section that oversees State and Federal Superfund Projects. The Motorola 52<sup>nd</sup> St (M52) Site is a Federal Superfund Project.</b></p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>  <b>Yes. The Federal Projects Unit (FPU) Manager is a direct report – he oversees FPU budget and personnel. Individual Project Managers (PMs) for the site report indirectly to Julie through the FPU Manager. PMs oversee the budgets and technical reporting of the individual sites they are assigned. For M52 there are three PMs each assigned to a different M52 Operable Unit (OU).</b></p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>  <b>Review and oversight of technical work completed by the Responsible Parties and their consultants, as well as oversight of work completed by ADEQ's contractor on behalf of ADEQ.</b></p> <p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i>  <b>N/A</b></p> <p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i>  <b>N/A</b></p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i>  <b>None</b></p> <p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i>  <b>- Federal Court approval of a Consent Decree between the Honeywell and Freescale and ADEQ (CD).          - Negotiation and approval of a boron mixing zone at the discharge point for the OU2 treatment effluent.</b></p> <p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i>  <b>- Community Involvement (CI) activities are being lead by the US Environmental Protection Agency (EPA) instead of ADEQ.          - EPA is taking the lead on vapor intrusion (VI) activities          - Federal court approval of the CD will make ADEQ the lead regulatory agency for oversight of the OU2 treatment system.</b></p>		

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Julie Riemenschneider	<i>Title:</i> Section Manager	<i>Organization:</i> ADEQ – Remedial Programs
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i> None</p> <p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i> As part of the boron mixing zone, boron samples are collected on a quarterly basis.</p> <p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i> - Federal court approval of the CD will make ADEQ the lead regulatory agency for oversight of the OU2 treatment system. As part of the CD, monitoring activities will remain the same, however reporting will be reduced to quarterly which will be a cost savings to the responsible parties</p> <p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i> N/A</p> <p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i> Arizona revised the soil remediation levels (SRLs) in 2007</p> <p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i> Yes. ADEQ works with both responsible and potentially responsible parties as well as the consultants on a regular basis and it is felt that these relationships are very professional and productive. Additionally ADEQ works with EPA, the City of Phoenix, Maricopa County, and Salt River Project. These intergovernmental relationships are very productive and have proven very successful in the last 5 years.</p> <p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i> Yes, in addition to the effort ADEQ staff make to provide copies of all public information produced, the chain-of-command communication structure within ADEQ works very well.</p> <p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i> ADEQ is very interested in the progress of VI evaluation at OU1 and possibly across M52 and is looking forward to national standardized guidance from EPA Headquarters regarding collection and analysis of VI data.</p> <p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i> None.</p> <p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i> None.</p> <p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i> None.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Julie Riemenschneider	<i>Title:</i> Section Manager	<i>Organization:</i> ADEQ – Remedial Programs

20. *Do you have any comments, suggestions, or recommendations to improve Site activities?*  
 OU1 and OU2 are lead by ADEQ and OU3 is lead by EPA and in the past 5 years all three OUs have worked very cooperatively together. More issues are being evaluated broadly across the entire M52 site so there is more consistency and cooperation and the phases of the various investigations move forward. ADEQ will continue to cooperate with EPA on CI issues and looks forward to wrapping up the OU3 feasibility study and moving on to the remedy phase.

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Janet Rosati		<i>Title:</i> EPA Project Manager	
<i>Organization:</i> EPA - Region 9			
<i>Telephone No.:</i> (415) 972-3165		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 75 Hawthorne Street	
<i>E-Mail Address:</i> Rosati.Janet@epamail.epa.gov		<i>City, State, Zip:</i> San Francisco, CA 94105	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input checked="" type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i>	
<i>Type:</i> <input type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> October 20, 2010 <span style="float: right;"><i>Time:</i> 10:00 AM</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>The EPA Remedial Project Manager for OU3 and Vapor Intrusion to Indoor Air Investigation in OU1. Ms. Rosati began working on the project in 2004 as a backup for OU3.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>The EPA has a contract with the Army Corp of Engineers who subcontracts to Shaw Environmental, to provide technical support for all aspects of project.</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <ul style="list-style-type: none"> <li>• Negotiation of Vapor Intrusion to Indoor Air Investigation</li> <li>• Statement of Work (SOW) and Administrative Order of Consent (AOC) for OU1</li> <li>• Negotiation of a Remedial Investigation (RI) report for facility-specific investigations at OU3</li> <li>• Negotiation of AOC and SOW for RI, Feasibility Study (FS), and Baseline Risk Assessment at OU3</li> <li>• Review of facility-specific RI Investigation in OU3</li> <li>• Review of Groundwater Monitoring Reports</li> </ul>			

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Janet Rosati	<i>Title:</i> EPA Project Manager	<i>Organization:</i> EPA - Region 9
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <ul style="list-style-type: none"> <li>• EPA comments on RI Reports &amp; Supplemental Investigations in OU2</li> <li>• Groundwater Monitoring Reports, RI Reports, and Indoor Air Reports in OU3</li> </ul>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>EPA would like to include the discussion of institutional controls and Declaration of Environmental Use Restrictions (DEURs). The best way to have institutional controls placed on a property needs to be evaluated. If the State's DEUR is voluntary, and EPA feels it is something that needs to be in place, then the EPA feels a DEUR may need to be mandatory.</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>Issues encountered at the Site include the decision of which agency would have the lead on Vapor Intrusion Investigation at OU1 and which Potentially Responsible Parties (PRPs) would participate in the RI / FS negotiations at OU3. All of these issues have been resolved and work is progressing.</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <ul style="list-style-type: none"> <li>• The enforcement agreements (i.e., SOW &amp; OAC) that were negotiated in OU1 and OU3</li> <li>• The forming of the Community Informational Group (CIG), which is getting regular community meetings back on track</li> <li>• Finishing the facility-specific investigations in OU3.</li> </ul>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Janet Rosati	<i>Title:</i> EPA Project Manager	<i>Organization:</i> EPA - Region 9
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>EPA now has lead for community involvement and OU1 indoor air intrusion investigation.</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>The VI Investigation will have a direct impact, because up until now the agencies have not been able to establish protectiveness because that pathway had not been evaluated. The result of this investigation will help with a protectiveness determination once it is finished.</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>The OU1 plume is separating, meaning the down-gradient contaminant concentrations have gone down significantly. We are seeing a break between the down-gradient portion plume and the plume that is closer to the Cross Cut Canal.</p> <p>Contaminant concentrations at OU2 are decreasing. This shows that capture is occurring at the OU1 treatment facility at 20<sup>th</sup> street and the Cross Cut Canal.</p> <p>Contaminant concentrations in OU3 have decreased significantly since 2004, for example TCE concentrations decreased from over 700 ppb to less than 100 ppb; this is a result of the OU1 and OU2 treatment systems.</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>Ms. Rosati is not the Remedial Project Manager for overseeing the treatment system.</p>		

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Janet Rosati	<i>Title:</i> EPA Project Manager	<i>Organization:</i> EPA - Region 9
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>Ms. Rosati is not aware of any system treatment optimizations. Additional wells were installed at the OU2 capture area for lateral and vertical capture, which she believes would optimize the cleanup.</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>EPA Region 9 has developed soil gas human health screening levels to evaluate the need for indoor air sampling; this is a new evaluation criteria since the previous 5-Year Review. These criteria have been used in the facility-specific investigations to determine whether soil gas levels exceed the screening level. If the screening levels are exceeded, EPA will request an indoor vapor plan be prepared. National EPA has replaced preliminary remediation goal (PRG) table with regional screening level (RSL) table to evaluate indoor air data.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Not Applicable.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Ms. Rosati feels she is effectively informed of Site activities and issues. She uses email to communicate with the ADEQ and contractors. She receives weekly, monthly, and daily field reports during work by PRPs.</p> <p>The CIG will have regular meetings for community.</p>		

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<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager OU3	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Janet Rosati	<i>Title:</i> EPA Project Manager	<i>Organization:</i> EPA - Region 9
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>EPA would like to continuing to move the vapor intrusion to indoor air effort forward in all OUs and any supplemental investigations (as needed) in OU1 and OU2 for the final remedy of indoor air.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p><b>Not Applicable.</b></p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p><b>Not Applicable.</b></p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p><b>Nothing known.</b></p>		

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<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Janet Rosati	<i>Title:</i> EPA Project Manager	<i>Organization:</i> EPA - Region 9
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>The EPA would like to engage the community. They are doing this by trying to rotate meeting places to cover all the OUs, in addition to holding the meetings at different times. Once a Vapor Intrusion Work Plan is completed the EPA will be meeting in the neighborhood. EPA hopes to see more interest and involvement from the community after that meeting.</p>		

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<b>Contact Made by:</b>			
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Tom Suriano		<i>Title:</i> Principal Hydrogeologist	
		<i>Organization:</i> Clear Creek and Associates	
<i>Telephone No.:</i> 480-659-7131		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 6155 E. Indian School Rd., Suite 200	
<i>E-Mail Address:</i> tsuriano@clearcreekassociates.com		<i>City, State, Zip:</i> Scottsdale, AZ 85251	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i> ADEQ	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> October 26, 2010 <span style="float: right;"><i>Time:</i> 9:30 am</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>I am the Project Principal for Clear Creek &amp; Associates (Clear Creek). We support Freescale Semiconductor, Inc. in OU1 and OU2.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Yes. I supervise Clear Creek staff and contractors. Clear Creek is Freescale's primary consultant at OU1. Clear Creek staff collect samples, arrange for analysis, evaluate data, prepare reports and workplans (e.g., Annual Effectiveness Reports), maintain the site database, and arrange site activities/contractors, etc. Clear Creek also supports Freescale at OU2 as part of the working group, but generally the Parties (Freescale and Honeywell International, Inc.) are supported by the joint contractor Conestoga-Rovers and Associates.</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>Clear Creek supervised routine groundwater monitoring, performed the annual review of remedy effectiveness, supervises well installation (there have been several phases of well installations to fill in identified data gaps). Currently, Clear Creek is performing a bedrock pilot program evaluation, evaluating alternative end uses for the OU1 system's treated water, and developing a work plan for soil gas to indoor air vapor intrusion.</p>			

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<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Tom Suriano	<i>Title:</i> Principal Hydrogeologist	<i>Organization:</i> Clear Creek and Associates
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>Annual Effectiveness Reports (March 2006 – March 2010) – these reports focus on TCE for plume definition</p> <p>Semi-Annual Data reports – these reports include additional monitored compounds and details</p> <p>Groundwater Remedial Alternatives Analysis (GRAA) – submitted in December 2005 (finalized date believed to be in early 2006)</p> <p>GRAA Addendum – After 2006</p> <p>Letter updates on the OU1 end-use alternatives evaluation – December 2009, April 2010, &amp; September 2010</p> <p>Bedrock Pilot Workplan</p> <p>Bedrock Pilot Initial 6 Month Report submitted in Five-Year Review period (one year update upcoming)</p> <p>Soil Gas Investigation Workplan</p> <p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>Meeting minutes from technical working group sessions, particularly in 2006, 2008, and 2010 focused on OU2. In the 2008 technical work group session, consensus was reached among parties about capture in OU2. Sessions in 2006, 2008, &amp; 2010 discussed the various hydrogeological subunits also.</p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <ul style="list-style-type: none"> <li>- The identification of an alternative end use at OU1</li> <li>- The presence of DNAPL in fracture bedrock - ADEQ and EPA has expressed interest in reaching a final remedy for OU1 and OU2. DNAPL in fractured bedrock will be a significant issue on how this final remedy is selected, specifically in finding a remedy that is reasonable, technically feasible, and protective. Alternative strategies should be discussed in this decision.</li> <li>- The transition from the EPA Unilateral Order to ADEQ Consent Order has created reporting issues.</li> <li>- Changes to Agency staff results in changes to the reporting requirements, more specifically formatting. Changes in reporting requirements like this require several iterations of a report.</li> </ul>		

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor
<i>Name:</i>	<i>Title:</i>
<b>Individual Contacted:</b>	
<i>Name:</i> Tom Suriano	<i>Title:</i> Principal Hydrogeologist
<i>Organization:</i> Clear Creek and Associates	
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>In the broad sense, the OU1 and OU2 remedies have continued to be effective at meeting their objective, containing the plume and removing mass.</p>	
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>OU1 and OU2 have mature remedies in place and they have continued to be effective. Clear Creek expects possible changes in the end use for treated groundwater in OU1.</p> <p>Clear Creek anticipates the need for cooperation with ADEQ and EPA to determine how the bedrock pilot program will impact the final remedy for OU1.</p> <p>Clear Creek is uncertain if indoor air may have an effect on the approach</p>	
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>The items discussed have had no impact on the protectiveness or effectiveness of the remedial action. The remedies are protective and effective.</p>	
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>None.</p>	

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<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Tom Suriano	<i>Title:</i> Principal Hydrogeologist	<i>Organization:</i> Clear Creek and Associates
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>There was an update to the groundwater monitoring program in 2009 in an effort to streamline and reduce costs. Additional operation and maintenance changes have been minor and had little noticeable effect. One minor change was the replacing the dedicated carbon regeneration units to replaceable carbon units. This change did not likely result in a significant difference in cost.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>See above.</b></p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>No changes during the time period.</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p><b>Clear Creek works with agencies (ADEQ &amp; EPA), Conestoga Rovers, Honeywell and Honeywell's primary consultant CH2M Hill. In general, everyone cooperates and has a good working relationship.</b></p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Tom Suriano	<i>Title:</i> Principal Hydrogeologist	<i>Organization:</i> Clear Creek and Associates
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Yes. I have communication through emails, letters, face-to-face meetings. I would like to see more face-to-face meetings. I have found a dialogue makes it easier for those parties to understand each other's perspectives and have more progress than can be achieved in formal correspondence.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>No significant concerns.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>Progress has been made in Site cleanup, albeit a long process.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Clear Creek has helped to make the remedy successful.</p>		

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<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Tom Suriano	<i>Title:</i> Principal Hydrogeologist	<i>Organization:</i> Clear Creek and Associates
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p><b>No.</b></p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p><b>We look forward to working cooperatively with both agencies and continue that relationship.</b></p>		

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jason Weed	<i>Title:</i> Project Engineer	<i>Organization:</i> Gutierrez-Palmenberg, Inc.
<i>Telephone No.:</i> 602-234-0696 ext150	<i>Office/Group:</i>	
<i>Fax No.:</i>	<i>Street Address:</i> 2922 W. Clarendon Ave.	
<i>E-Mail Address:</i> jason.w@gpimail.com	<i>City, State, Zip:</i> Phoenix, AZ 85017	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> ADEQ	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> October 26, 2010	<i>Time:</i> 2:00 pm
<b>Summary of Conversation/Questionnaire Reponses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>I am the Project Engineer for the operation and maintenance contractor (Gutierrez-Palmenberg, Inc.) for the OU1 site.</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Yes. I supervise the OU1 treatment plant operator and field support staff. They report directly to me on all site operation activities of treatment plant and the associated well field.</p>		
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>Operation and maintenance of the OU1 treatment plant and maintenance of the well field.</p>		

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<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jason Weed	<i>Title:</i> Project Engineer	<i>Organization:</i> Gutierrez-Palmenberg, Inc.
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>Monthly report for the OU1 treatment facility – these provide semi-annual data to Clear Creek Associates for their Annual Effectiveness Report.</p> <p>Gutierrez-Palmenberg is currently revising the Operation and Maintenance (O&amp;M) Manual (accepted during previous Five-Year Review) to account for changes and updates in the roll-off carbon unit. There have been other small changes since the previous revision, for example the addition of a scale inhibitor (sodium hexametaphosphate) as a result of scaling in the air stripping towers. Gutierrez-Palmenberg created a supplement to the O&amp;M Manual for these changes, which now need to be incorporated into the O&amp;M Manual.</p> <p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>Nothing.</p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>Issues encountered were described in the previous five year review. Since 2006 there have been no changes or difficulties.</p> <p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>We have continued treatment, operating at 95% or better monthly operating uptime.</p>		

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<b>Individual Contacted:</b>		
<i>Name:</i> Jason Weed	<i>Title:</i> Project Engineer	<i>Organization:</i> Gutierrez-Palmenberg, Inc.
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>The bedrock wells (installed by others with the assistance of Gutierrez-Palmenberg), is maintained by Gutierrez-Palmenberg as part of the OU1 well network. Additional water resulting from the bedrock evaluation is treated by the OU1 treatment facility.</p> <p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>The system has continued to be effective in the capture zone.</p> <p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>We have had minimal changes to O&amp;M. The addition of the bedrock wells to the well network resulted in an increase of TCE concentration incoming water to the OU1 treatment system; however, the treatment system is designed to withstand this higher load and there has been no breakthrough. The system will continue to be monitored for breakthrough. There had been a possibility of pure phase coming from the bedrock wells, but pure phase has not been detected in periodic groundwater samples from these wells.</p> <p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>No significant changes. The carbon vendor has changed and a new roll-off type vapor phase carbon unit was purchased that is comparable to previous vendor's carbon unit. An air duct was added during the installation of the new vapor phase carbon unit. Monthly air samples indicate this new air duct has increased the life of the carbon and efficiency. This is believed to be due to better air flow/distribution through the carbon. No additional changes to the sampling routine or schedule.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jason Weed	<i>Title:</i> Project Engineer	<i>Organization:</i> Gutierrez-Palmenberg, Inc.
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>The new vapor phase carbon unit has increased the efficiency of vapor treatment.</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>None.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Yes. Gutierrez-Palmenberg works routinely with Clear Creek and Associates (another subcontractor to Freescale who deals with the hydrology of the area and writes the Annual Effectiveness Report). The well maintenance is reported by Gutierrez-Palmenberg to Clear Creek and not directly to Freescale.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Yes. Jen McCall of Freescale, supervises Gutierrez-Palmenberg and contacts Jason directly. Jason then communicates any issues that may impact O&amp;M to the treatment operator and field support staff.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager, OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jason Weed	<i>Title:</i> Project Engineer	<i>Organization:</i> Gutierrez-Palmenberg, Inc.
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>No significant concerns.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>No effects.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Jason has worked on streamlining the monthly report and the ladder logic program that operates the treatment plant. This program reads tank levels, operates control valves, monitors meters, etc. All changes to programming are done by Jason.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>Not aware. At the area of the Cross Cut canal there has been vandalism/tagging on the walls, but nothing vandalizing Freescale's property or wells.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site			<i>EPA ID No.:</i> AZD009004177		
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<b>Contact Made by:</b>					
<i>Name:</i> Wendy Flood		<i>Title:</i> Project Manager, OU1		<i>Organization:</i> ADEQ	
<i>Name:</i> Katie Mayer		<i>Title:</i> ADEQ Contractor		<i>Organization:</i> URS Corporation	
<i>Name:</i>		<i>Title:</i>		<i>Organization:</i>	
<b>Individual Contacted:</b>					
<i>Name:</i> Jason Weed		<i>Title:</i> Project Engineer		<i>Organization:</i> Gutierrez-Palmenberg, Inc.	
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>None.</p>					

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177	
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Scott Goodwin		<i>Title:</i> Hydrologist	
<i>Name:</i> Sherri Zendri		<i>Title:</i> Project Manager OU2	
<i>Name:</i> Katie Mayer		<i>Title:</i> ADEQ Contractor	
<b>Individual Contacted:</b>			
<i>Name:</i> Karol Wolf		<i>Title:</i> Environmental Services	
<i>Telephone No.:</i> 602-236-5767		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> PO Box 52025, Mail Station: PAB352	
<i>E-Mail Address:</i> kowolf@srpnet.com		<i>City, State, Zip:</i> Phoenix, AZ 85072-2025	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i> ADEQ	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> October 27, 2010 <span style="float: right;"><i>Time:</i> 11:30 am</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>SRP accepts the treated groundwater from OU2 system into the Grand Canal and makes beneficial use of that water. SRP is also involved in OU3 related to the SRP 16<sup>th</sup> Street facility.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>No supervision of others.</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>Developing the discharge agreement with the Companies (Freescale Semiconductor Inc. and Honeywell International Inc.) for the discharge of the treated groundwater to the SRP system.</p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>SRP provided detailed information on canal water quality and canal operations to allow blending of boron from the treated water in the canal.</p>			

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Karol Wolf	<i>Title:</i> Environmental Services	<i>Organization:</i> Salt River Project
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p><b>No additional information.</b></p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p><b>No significant issues.</b></p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p><b>Reached a final agreement for the discharge of the treated water to the Grand Canal in 2008.</b></p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p><b>None.</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Karol Wolf	<i>Title:</i> Environmental Services	<i>Organization:</i> Salt River Project
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>Remains the same.</b></p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p><b>No response.</b></p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p><b>Not applicable.</b></p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>Not applicable.</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site	<i>EPA ID No.:</i> AZD009004177	
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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Karol Wolf	<i>Title:</i> Environmental Services	<i>Organization:</i> Salt River Project
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>Not that SRP is aware of.</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>Yes. We work with the Companies, particularly Freescale, on the discharge monitoring agreement. Freescale is SRP's primary point-of-contact for the discharge monitoring agreement. Conestoga-Rovers and Associates (the Companies' consultant) sends timely discharge reports as part of the agreement. They have worked cooperatively with SRP.</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Yes. As it relates to the discharge agreement, Freescale notifies SRP of any operation and maintenance issues that affect the discharge to the SRP system.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>Unknown.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Scott Goodwin	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager OU2	<i>Organization:</i> ADEQ
<i>Name:</i> Katie Mayer	<i>Title:</i> ADEQ Contractor	<i>Organization:</i> URS Corporation
<b>Individual Contacted:</b>		
<i>Name:</i> Karol Wolf	<i>Title:</i> Environmental Services	<i>Organization:</i> Salt River Project
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>SRP has had increased staff time to monitor the discharge activities.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>Our canal dry-up and any storm events stop the treated water discharge.</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>Not aware.</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>No.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ	
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA	
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental	
<b>Individual Contacted:</b>			
<i>Name:</i> Wendoly Abrego		<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<i>Telephone No.:</i>		<i>Office/Group:</i>	Phoenix Revitalization Corporation
<i>Fax No.:</i>		<i>Street Address:</i>	1310 West Hadley Street
<i>E-Mail Address:</i>		<i>City, State, Zip:</i>	Phoenix, Arizona
<i>Contact Type:</i>	<input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i>	PRC Office
	<input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> September 23, 2010	<i>Time:</i> 1:30 PM
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>  Participated in meetings for last 2 years, lived here since 1995 in north Phoenix, with PRC since 2008</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>  N/A</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>  N/A</p>			

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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Wendoly Abrego	<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>N/A</p>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>N/A</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		

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<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ
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<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Wendoly Abrego	<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>N/A</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Wendoly Abrego	<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>N/A</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>N/A</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Wendoly Abrego	<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>Very large area of contamination, keeping track of progress, cleanup is a long and slow process which can be frustrating, still think it's an issue but know people aren't drinking the groundwater; what about potential impacts to gardens, exposure thru food grown?</p> <ul style="list-style-type: none"> <li>- Concerned that contamination could still be growing; wonder if there are any risks posed by interim treatment?</li> <li>- With so much development, more systems in place to prevent exposure; but contamination is still there &amp; companies needs to be held accountable; need to ensure can't pollute now. Important to educate people but not about the regulations; educate people as to what is and isn't ok to do regarding environmental impacts. Can't forget about smaller offenders/contributors to the contamination</li> </ul>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>N/A</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>N/A</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Individual Contacted:</b>		
<i>Name:</i> Wendoly Abrego	<i>Title:</i>	<i>Organization:</i> Phoenix Revitalization Corporation (PRC)
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p style="margin-left: 40px;">N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177	
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<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ	
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA	
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental	
<b>Individual Contacted:</b>			
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community	
<i>Telephone No.:</i>		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 4802 East McDowell Road	
<i>E-Mail Address:</i>		<i>City, State, Zip:</i> Phoenix, Arizona	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i>	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> September 23, 2010 <span style="float: right;"><i>Time:</i> 3:30 PM</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>                  Been here since 1979; in association since 2006.</p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>                  N/A</p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>                  N/A</p>			

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p style="margin-left: 40px;">N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p style="margin-left: 40px;">N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Contact Made by:</b>		
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p style="margin-left: 40px;">N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>doesn't think the companies dumped the contamination on purpose – in a bad way; especially since they lived here too and would be affected by the contamination too.</p> <p>What do they do with the stuff they take out of the water?</p> <p>Some people in the community have expressed concern about using the water – not safe to use.</p> <p>No concerns about site.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>N/A</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>N/A</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>N/A</p>		

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<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Wayne Miller	<i>Title:</i> Hydrogeologist	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<i>Name:</i> Lisa Stahl	<i>Title:</i> EPA Contractor	<i>Organization:</i> Shaw Environmental
<b>Individual Contacted:</b>		
<i>Name:</i> Betty Brannan	<i>Title:</i>	<i>Organization:</i> Community
20. Do you have any comments, suggestions, or recommendations to improve Site activities?  N/A		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Steve Brittle	<i>Title:</i> President	<i>Organization:</i> Don't Waste AZ
<i>Telephone No.:</i> 602-268-6110	<i>Office/Group:</i>	
<i>Fax No.:</i>	<i>Street Address:</i> 6205 South 12 <sup>th</sup> Street	
<i>E-Mail Address:</i> smbrittle@yahoo.com	<i>City, State, Zip:</i> Phoenix, Arizona	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> Coeolls Restaurant	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> September 22, 2010	<i>Time:</i> 6:00 PM
<b>Summary of Conversation/Questionnaire Reponses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>Lived in area for 23 years, community activist for all operable units</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>N/A</p>		
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>Community involvement</p>		
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Steve Brittle	<i>Title:</i> President	<i>Organization:</i> Don't Waste AZ
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>He has reviewed a lot of documents. He wants to see outdoor air monitoring at the site. Currently there is not any monitoring.</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>Access to public information, instructino of public record</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>Vapor investigation study by EPA</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>Channel 5 news coverage, vapor intrusion, continuation of what he has been doing (he is writing a book)</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Steve Brittle	<i>Title:</i> President	<i>Organization:</i> Don't Waste AZ
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>N/A</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>N/A</p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Steve Brittle	<i>Title:</i> President	<i>Organization:</i> Don't Waste AZ
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p style="margin-left: 40px;">TCE toxicity levels – and other chemical level affect "MCL"</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p style="margin-left: 40px;">People in community</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p style="margin-left: 40px;">Yes, mailings – Website not updated so not need. Aggressive campaign for UI – prediction before results. Ad campaign more frequent mailings.</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p style="margin-left: 40px;">Vapor Intrusion</p> <p style="margin-left: 40px;">Chemical air monitoring – would like more</p> <p style="margin-left: 40px;">Access to information – public information</p>		

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Steve Brittle	<i>Title:</i> President	<i>Organization:</i> Don't Waste AZ
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p style="margin-left: 40px;">He doesn't live in the area, health effects to the surrounding community</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p style="margin-left: 40px;">Vapor Intrusion starting</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p style="margin-left: 40px;">N/A</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p style="margin-left: 40px;">N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>			
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager	<i>Organization:</i> ADEQ	
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA	
<b>Individual Contacted:</b>			
<i>Name:</i> Josephine Duffy		<i>Title:</i>	<i>Organization:</i> Community
<i>Telephone No.:</i>		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 2040 East Hubbel Street	
<i>E-Mail Address:</i>		<i>City, State, Zip:</i> Phoenix, AZ 85006	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i>	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> September 23, 2010 <span style="float: right;"><i>Time:</i> 10:00 AM</span>	
<b>Summary of Conversation/Questionnaire Responses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>Green Gables Homeowner Association community member, lives near OU2 and OU3 boundary to the north, lived in the area for 57 years.</p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>No</p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>N/A</p>			

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<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager	<i>Organization:</i> ADEQ
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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Josephine Duffy	<i>Title:</i>	<i>Organization:</i> Community
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>None</p>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>N/A</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		

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<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Josephine Duffy	<i>Title:</i>	<i>Organization:</i> Community
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>N/A</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>N/A</p>		

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<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Josephine Duffy	<i>Title:</i>	<i>Organization:</i> Community
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>N/A</p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>N/A</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>Schools education would be helpful, is on mailing list.</p>		

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<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager	<i>Organization:</i> ADEQ
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<b>Individual Contacted:</b>		
<i>Name:</i> Josephine Duffy	<i>Title:</i>	<i>Organization:</i> Community
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p style="padding-left: 40px;">If lived in area, progress of treated water would be a big concern.</p>		
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p style="padding-left: 40px;">Lives outside of area. Attend Gateway Community meeting in 2008.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p style="padding-left: 40px;">N/A</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p style="padding-left: 40px;">No</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Brian Stonebrink	<i>Title:</i> Project Manager	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leanna Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Josephine Duffy	<i>Title:</i>	<i>Organization:</i> Community
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>Would like tour of treatment plant, more education of public, most encountered think their water is contaminated or polluted.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<i>Telephone No.:</i> 602-840-6061	<i>Office/Group:</i>	
<i>Fax No.:</i> (Cell) 602-284-1846	<i>Street Address:</i> 5540 East Pinchot	
<i>E-Mail Address:</i> les.holland@computer.org	<i>City, State, Zip:</i> Phoenix, AZ 85018	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>	<i>Location (if Visit):</i> Rach House	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>	<i>Date:</i> September 24, 2010	<i>Time:</i> 11:00 AM
<b>Summary of Conversation/Questionnaire Reponses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>  <b>Lived in neighborhood since 1969 (around 52<sup>nd</sup> Street site), worked at Motorola</b></p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>  <b>No</b></p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>  <b>Attending meetings, asking questions, reading reports</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>None</p>		
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>None</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>None</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>Some questions on posters</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>None</p>		
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>None</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>None</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p><b>N/A</b></p>		
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p><b>N/A</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p><b>Yes – other community members, everyone has their own agenda</b></p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p><b>Yes, mail and with reports</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>Now it's clear cleanup is underway and additions to pollution are zero...what's underground is the issue - don't really know what's underground – for example a service station had leaky tanks, Motorola had 2 plants in the area, etc., so it's hard to understand just what/who is responsible for the contamination</p> <p>He hasn't seen a map of where things went into ground and how much; cleanup may be at the point where progress/future schedule may no longer be worth continuing with cleanup activities.</p> <p>He's more concerned about current health due to air and groundwater contamination; daughter had thyroid cancer – doing ok now</p> <ul style="list-style-type: none"> <li>- Talk among Arcadia school parents is of odd and number of illnesses in the area.</li> <li>- He's looking forward to establishing a blog/registry for people who have been affected by environmental conditions in the area. Goal of blog is to know of any cancer clusters; it's beyond unreasonable for EPA to say they don't know of clusters</li> <li>- Hopes that EPA can get some movement/support for this effort; to track former workers and people who lived within a 3 mile radius; pull wind information from airport for last 50 years to help identify potentially impacted neighborhoods.</li> <li>- After Motorola settled the lawsuit; executives were promoted and then retired which meant they could no longer be subpoenaed.</li> <li>- Presentations need to be careful that you're not coming across as being too much on side of PRP's</li> <li>- Perception is that holding PRPs responsible for cleanup isn't enough – amount being pulled from the groundwater isn't enough</li> <li>- Should have clearer information on dates when the companies stopped polluting.</li> <li>- At what point do you stop treatment facilities? (he didn't realize there was an end point identified for treatment facilities)</li> <li>- He would prefer to see some of the PRP money diverted to fund health studies.- People would like a better understanding of the health issues – such as information from the past, since you can't prove it, there will never going to be any money; some explanation would be appreciated.</li> <li>- 72 – 74 was maximum output from that Motorola Site.</li> </ul> <p>People do want to know what's being done –cost, the amount of contamination removed, what is the end point, and provide lessons learned at similar sites in other locations.</p> <p>Explain why you are cleaning up to drinking water standards if the groundwater isn't used for drinking. Agencies are fighting negative perceptions they have no control over</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i> Felicia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Leana Rosetti	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> EPA
<b>Individual Contacted:</b>		
<i>Name:</i> Les Holland	<i>Title:</i>	<i>Organization:</i> Community
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p style="margin-left: 40px;">Feel good that is being done, health effects unknown</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p style="margin-left: 40px;">Questions answered</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p style="margin-left: 40px;">No</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p style="margin-left: 40px;">No</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager – M52/OU2	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dr. Ruthann Marston	<i>Title:</i> President	<i>Organization:</i> Phoenix Elementary Dist #1 Governing Board
<i>Telephone No.:</i>		<i>Office/Group:</i>
<i>Fax No.:</i>		<i>Street Address:</i>
<i>E-Mail Address:</i>		<i>City, State, Zip:</i>
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i> <i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Location (if Visit):</i> Hope XI Comm. Center – 1150 7 <sup>th</sup> Ave., Phx. <i>Date:</i> September 22, 2010 <i>Time:</i> 3:00pm
<b>Summary of Conversation/Questionnaire Reponses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i>            - Former Community Advisory Group Member            - Current Community Information Group member            - Resident of the area (lives at McDowell and Central)            - The Phoenix school district she is president of (District #1) is within OU2 and OU3</p> <p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i>  <b>No.</b></p> <p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i>  <b>N/A</b></p> <p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i>  <b>N/A</b></p> <p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i>  <b>N/A</b></p> <p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i>  <b>N/A</b></p> <p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i>  <b>N/A</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Sherri Zendri	<i>Title:</i> Project Manager – M52/OU2	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Dr. Ruthann Marston	<i>Title:</i> President	<i>Organization:</i> Phoenix Elementary Dist #1 Governing Board
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i> N/A</p> <p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i> N/A</p> <p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i> N/A</p> <p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i> N/A</p> <p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i> N/A</p> <p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i> N/A</p> <p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i> N/A</p> <p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i> Feels well-informed, especially with the continuous reporting on the OU3 PRPs – the activities are not much different than the OU1 process so she is comfortable with it.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

Site Name: Motorola 52 <sup>nd</sup> Street Superfund Site		EPA ID No.: AZD009004177
Review Report: 2011 Five-Year Review		Review Period: August 2006 - October 2010
<b>Contact Made by:</b>		
Name: Sherri Zendri	Title: Project Manager – M52/OU2	Organization: ADEQ
Name:	Title:	Organization:
Name:	Title:	Organization:
<b>Individual Contacted:</b>		
Name: Dr. Ruthann Marston	Title: President	Organization: Phoenix Elementary Dist #1 Governing Board
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i>                  Really wants to see the entire site remediated. She is very concerned about the most fragile populations (children &amp; elderly). She feels that public pressure is only effective means of getting action from PRPs and the government.</p> <p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i>                  School busses had to be rerouted for the OU2 work; will probably have to do some bus rerouting for the OU3 work coming up as well.</p> <p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i>                  N/A</p> <p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i>                  She was not aware of any complaints – the OU2 treatment plant is well-screened and non-intrusive. The community received tours when first operational and are comfortable with the operations.</p> <p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i>                  She feels the attitudes in the meetings are much better – the PRPs and consultants are less defensive. However the general public has not changed their attitudes quite as much so interactions can still be difficult.                  TO TECH FOLKS DIREXCTLY – She suggests thinking about our explanations as a presentation to 5<sup>th</sup> graders for an hour; what are the most important points and <i>why</i>.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177	
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010	
<b>Contact Made by:</b>			
<i>Name:</i> Felcia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ	
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ	
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>	
<b>Individual Contacted:</b>			
<i>Name:</i> Gary Piers and Lorena Mineer		<i>Title:</i>	<i>Organization:</i> Community
<i>Telephone No.:</i> 602-275-5867		<i>Office/Group:</i>	
<i>Fax No.:</i>		<i>Street Address:</i> 1107 North 28 <sup>th</sup> Street	
<i>E-Mail Address:</i> lmineer@msn.com		<i>City, State, Zip:</i> Phoenix, AZ	
<i>Contact</i> <input type="checkbox"/> <i>Incoming Call</i> <input type="checkbox"/> <i>Outgoing Call</i>		<i>Location (if Visit):</i>	
<i>Type:</i> <input checked="" type="checkbox"/> <i>Visit</i> <input type="checkbox"/> <i>Other</i>		<i>Date:</i> September 24, 2010 <span style="float: right;"><i>Time:</i> 7:00 PM</span>	
<b>Summary of Conversation/Questionnaire Reponses:</b>			
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p><b>Residents for 35 and 53 years in OU2</b></p>			
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p><b>No</b></p>			
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p><b>CIG meetings; tours</b></p>			
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p><b>N/A</b></p>			

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Felcia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Gary Piers and Lorena Mineer	<i>Title:</i>	<i>Organization:</i> Community
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>N/A</p>		
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>N/A</p>		
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>N/A</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<b>Contact Made by:</b>		
<i>Name:</i> Felcia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Gary Piers and Lorena Mineer	<i>Title:</i>	<i>Organization:</i> Community
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>N/A</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>N/A</p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>None (N/A)</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Contact Made by:</b>		
<i>Name:</i> Felcia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Gary Piers and Lorena Mineer	<i>Title:</i>	<i>Organization:</i> Community
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p>N/A</p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p>N/A</p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p>email; meetings; Lorena = no; Gary = yes</p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p>I have questions re: water flow in this area. Concerned that EPA will run out of money before job is done. Otherwise no concerns. Feels like they are looking from outside looking in, not other way; As a lay person, may not see smaller progress.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Felcia Calderon	<i>Title:</i> Community Involvement Coordinator	<i>Organization:</i> ADEQ
<i>Name:</i> Joellen Meitl	<i>Title:</i> Hydrologist	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Gary Piers and Lorena Mineer	<i>Title:</i>	<i>Organization:</i> Community
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p style="margin-left: 40px;">None</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p style="margin-left: 40px;">None</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p style="margin-left: 40px;">No</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p style="margin-left: 40px;">It's not progressing fast enough. Not showing any progress at the site. It's very slow. Punctuality of meetings.</p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

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<i>Review Report:</i> 2011 Five-Year Review		<i>Review Period:</i> August 2006 - October 2010
<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jerry Worsham	<i>Title:</i> Attorney	<i>Organization:</i> Gammage & Burnham
<i>Telephone No.:</i> 602-256-4452	<i>Fax No.:</i> 602-256-4475	<i>Office/Group:</i>
<i>E-Mail Address:</i> jwarsham@qblaw.com	<i>Street Address:</i> 2 North Central Avenue, 15 <sup>th</sup> Floor	
	<i>City, State, Zip:</i> Phoenix, AZ 85004	
<i>Contact Type:</i> <input type="checkbox"/> Incoming Call <input type="checkbox"/> Outgoing Call	<i>Location (if Visit):</i> Two North Central, Phoenix 85004	
<input checked="" type="checkbox"/> Visit <input type="checkbox"/> Other	<i>Date:</i> September 24, 2010	<i>Time:</i> 9:15 AM
<b>Summary of Conversation/Questionnaire Responses:</b>		
<p>1. <i>What is your role or responsibility at the Site and in what operable unit region(s) are you particularly involved?</i></p> <p>Counsel for – ArvinMeritor Inc, Cooper Industries Inc., and Adobe-Air in USEPA Administrative Order on Consent Docket no. 2004-18 titled "In the matter of Motorola 52<sup>nd</sup> street superfund Site"</p>		
<p>2. <i>Do you supervise others (i.e., staff or contractors) involved in Site activities? If so, what is their relationship to you and what are their responsibilities at the Site?</i></p> <p>Oversees and direct the legal responses for the technical work provided by Arcadis (directed by Robert Mongrain) as per the Administrative Order on Consent (AOC).</p>		
<p>3. <i>What Site activities have you and/or those you supervise been involved in from 2006 to date?</i></p> <p>Well installation, site investigation, soil vapor extraction system attend numerous EPA and ADEQ regulatory meetings</p>		
<p>4. <i>List key technical documentation produced by you or on your behalf from 2006 to date that should be considered in this five-year review effort.</i></p> <p>No – due to location</p>		

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<b>Contact Made by:</b>					
<i>Name:</i> Wendy Flood		<i>Title:</i> Project Manager OU1		<i>Organization:</i> ADEQ	
<i>Name:</i>		<i>Title:</i>		<i>Organization:</i>	
<i>Name:</i>		<i>Title:</i>		<i>Organization:</i>	
<b>Individual Contacted:</b>					
<i>Name:</i> Jerry Worsham		<i>Title:</i> Attorney		<i>Organization:</i> Gammage & Burnham	
<p>5. <i>Summarize any additional information that is not included in the documentation listed above that should be considered in this five-year review effort.</i></p> <p>None</p>					
<p>6. <i>Describe any significant issues, problems, or difficulties encountered by your work at the Site from 2006 to date.</i></p> <p>None</p>					
<p>7. <i>Describe any progress and/or successes achieved by your work at the Site from 2006 to date.</i></p> <p>In process of starting a Soil Vapor Extraction (SVE) system for the northern half of property to remove soil vapor. Identified the problem – completed a research report on the south end of the property, which has been cleared and shown to need no further investigation.</p>					
<p>8. <i>Describe any significant implemented or planned changes in approach or execution of your work at the Site from 2006 to date.</i></p> <p>None</p>					

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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jerry Worsham	<i>Title:</i> Attorney	<i>Organization:</i> Gammage & Burnham
<p>9. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on the protectiveness or effectiveness of Site remedial actions?</i></p> <p>The investigations were completed, they cleared the property, and eliminated some sitewide questions.</p>		
<p>10. <i>What effect, if any, have the items discussed in response to Questions 6, 7, and 8 had on treatment system O&amp;M?</i></p> <p>None</p>		
<p>11. <i>Have there been any significant changes in treatment system O&amp;M requirements, maintenance schedules, or sampling routines from 2006 to date? If so, provide details including the impacts/cost of these changes.</i></p> <p>Sampling dates have changed, so I have tried to match our sampling to show same time frame.</p>		
<p>12. <i>Have there been any opportunities to optimize treatment system O&amp;M or sampling requirements? If so, provide details. Describe resultant/desired cost savings or improved efficiency.</i></p> <p>None</p>		

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<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<i>Name:</i>	<i>Title:</i>	<i>Organization:</i>
<b>Individual Contacted:</b>		
<i>Name:</i> Jerry Worsham	<i>Title:</i> Attorney	<i>Organization:</i> Gammage & Burnham
<p>13. <i>Have there been any changes in city, state, or federal standards/regulations/guidance from 2006 to date which may impact Site operations and/or call into question the current protectiveness or effectiveness of Site remedial actions?</i></p> <p style="margin-left: 40px;"><b>No</b></p>		
<p>14. <i>Do you routinely work cooperatively with others involved in Site activities that are not under your supervision? If so, what is their relationship to you and what is your impression of their work?</i></p> <p style="margin-left: 40px;"><b>No</b></p>		
<p>15. <i>Have you been effectively informed of Site activities and issues? If so, what communication mechanisms have been the most helpful? If not, what alternative communication mechanisms would you suggest?</i></p> <p style="margin-left: 40px;"><b>Yes. Receives email and mail. Looks at website maps. Attend public meeting with EPA/ADEQ and public hearings.</b></p>		
<p>16. <i>What is your most significant concern/issue with respect to Site activities (either your own involvement or others)?</i></p> <p style="margin-left: 40px;"><b>None</b></p>		

## FIVE-YEAR REVIEW INTERVIEW RECORD

<i>Site Name:</i> Motorola 52 <sup>nd</sup> Street Superfund Site		<i>EPA ID No.:</i> AZD009004177
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<b>Contact Made by:</b>		
<i>Name:</i> Wendy Flood	<i>Title:</i> Project Manager OU1	<i>Organization:</i> ADEQ
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<b>Individual Contacted:</b>		
<i>Name:</i> Jerry Worsham	<i>Title:</i> Attorney	<i>Organization:</i> Gammage & Burnham
<p>17. <i>What effects have the Site or Site operations had on you (or the surrounding community)?</i></p> <p>I am confident that the issue/plume which has been created by other companies and sources for OU3, is being addressed.</p>		
<p>18. <i>What effects, if any, have your activities had on the Site or Site operations?</i></p> <p>None</p>		
<p>19. <i>Are you aware of any complaints or other adverse issues (e.g., dumping, vandalism or anything that required emergency response from local authorities) related to the Site (or a particular region of the Site)? If so, please elaborate.</i></p> <p>None</p>		
<p>20. <i>Do you have any comments, suggestions, or recommendations to improve Site activities?</i></p> <p>None – Everything seems to be working well.</p>		

## **Interview Summaries:**

ADEQ and URS conducted Five-Year Review Interviews with the assistance of EPA Region 9 (for community members and other individuals interviewed during the 2010 CIP update process) in September 2010, October 2010, and February 2011. The purpose of these interviews was to obtain information supporting an assessment of remedy protectiveness by gathering information such as background data; state and local conditions; construction considerations; and performance and O&M problems. Groups interviewed include regulatory agencies, local government agencies, RPs, O&M staff, technical consultants, community organizations, and other project stakeholders. The results of the interviews are presented in detail in the Interview Documentation attached as Appendix I (which includes a list of individuals interviewed and detailed Five-Year Review interview records). The following individuals provided input during the Five-Year Review interview process:

***Wendoly Abrego, Phoenix Revitalization Corporation (PRC), Interviewed on September 23, 2010.*** Ms. Abrego of PRC has participated in meetings since 2008. PRC is working on a quality of life plan for Phoenix, which will include a discussion of contamination and environmental issues. Ms. Abrego understands there is a large area of contamination and cleanup is a long, slow process. Ms. Abrego raised concerns with exposure to foods grown in surface soils and the risks posed by the interim treatment. She also expressed the need for large and small PRPs to be held accountable and to ensure all polluting activities have ceased. In regard to community outreach, Ms. Abrego expressed that it is important to educate the community by discussing what one can or cannot do while avoiding discussions of regulations.

***Pamela Amorin, EHS Manager, ON Semiconductor, Written response received November 3, 2010.*** Ms. Amorin of ON Semiconductor is responsible for the environmental health and safety program throughout North America, including Phoenix operations. ON Semiconductor coordinates access for Freescale Semiconductor, maintains the electrical power for Freescale site operations, and makes beneficial use of Freescale's OU1 treated water. ON Semiconductor's most significant concern at the site is the coordination of Freescale drilling projects, and the impact of the drilling projects on ON Semiconductor operations. Ms. Amorin feels ON Semiconductor is effectively informed by both Freescale and its consultant Clear Creek Associates.

***Betty Brannan, Community Member, Interviewed on September 23, 2010.*** Ms. Brannan has lived in the community since 1979 and has been involved in the TAG since 2006. Ms. Brannan does not believe the Companies deliberately spilled the contamination because members of the companies lived in the area and would have been affected by the contamination too. Ms.

Brannan would like more information about groundwater treatment, specifically contaminant disposal following treatment. She also expressed that others in the community have concerns with the water and have indicated that it may not be safe to use.

***Martha Breitenbach, Community Member, Interviewed on October 20, 2010.*** Ms. Breitenbach is a long-time community member interested in the cleanup at all OUs. Her primary concern at the Site is the risk to public health and safety. During the current Five-Year Review Period, Martha has witnessed changes to the remedial systems including the addition of wells to monitor areas within the plume, addition of wells to expand the plume boundaries, and changes in the amount of VOCs extracted over time. Ms. Breitenbach does not believe the current remedial approach is effective and believes the public's health and safety may be at risk. She believes residents have incurred damages to their homes' foundations and other structural issues due to subsidence caused by the removal of groundwater. Ms. Breitenbach believes the relationship between ADEQ and community members is adversarial and will likely continue to be because of their past interactions. Ms. Breitenbach would like the community to be provided with more technical information about the OUs.

***Steve Brittle, President, Don't Waste AZ, Interviewed on September 22, 2010.*** Mr. Brittle is a community activist who is concerned about the health effects of the Site contamination on the surrounding community. Mr. Brittle's primary concerns include the risk to community members from indoor vapor intrusion and outdoor air. Progress has been made in the initiation of the Vapor Intrusion Study by the EPA, but no progress has been made on chemical monitoring of outdoor air. Mr. Brittle also expressed issue with the lack of access to public information. Mr. Brittle recommends the community receive more information and be allowed more involvement with the vapor intrusion process before the results of the Vapor Intrusion Study are released. He also recommends the regulatory agencies' websites be updated, particularly with a discussion of vapor intrusion. Mr. Brittle noted that changes were made to chemical MCLs during the current Five-Year Review Period.

***Rene Chase Dufault, President, Lindon Park Neighborhood Association, Written response received February 17, 2011.*** The Lindon Park Neighborhood Association (the Association) is the recipient of the EPA Technical Assistance Grant (TAG) for the Motorola 52<sup>nd</sup> Street Superfund Site. Ms. Chase Dufault lives in OU1 adjacent to the former Motorola 52<sup>nd</sup> Street plant. During the current Five-Year Review Period, Ms. Chase Dufault has seen progress in the EPA's lead of the vapor intrusion investigation, EPA's lead of community involvement, and the range of topics and technical reports presented by the Association at TAG meetings. Ms. Chase Dufault also expressed multiple concerns with ADEQ's management of the site. These include: (1) the lack of technical substance in ADEQ's community meetings; (2) the indifference to the

public's concerns about the location and number of meetings; (3) the burden on the TAG when ADEQ did not hold community meetings; (4) the lack of technical expertise of those involved in OU1 and OU2; and (5) the lack of transparency in activities and findings, particularly at the Honeywell location. Ms. Chase Dufault requests EPA provide the primary oversight of all operable units at the site for a coordinated clean-up effort at all operable units. The Association also has immediate concerns at OU1, including the end use of treated groundwater (Ms. Chase Dufault believes injection to be appropriate) and the residents' concerns regarding observed subsidence. The Association also expressed concerns with the slow response to evaluating the vapor intrusion to indoor air pathway at OU2 and is concerned that residents will not be informed in a timely manner if potential threats are found during soil gas sampling.

***Dave Christiana, Hydrologist, Arizona Department of Water Resources, Interviewed on October 26, 2010.*** Mr. Christiana of the ADWR is responsible for the permitting of monitoring and water supply wells in OU1, OU2, OU3, and a surrounding buffer zone. The buffer zone was established by ADWR and is defined as the area within 1 mile of the edge of the Site; this buffer zone overlaps other WQARF and Department of Defense site boundaries. During the current Five Year-Review Period, no water supply wells were drilled within the Site boundaries; however, water supply wells in the buffer zone continue to be a concern for ADWR. Currently, Freescale holds a Poor Quality Groundwater Withdrawal Permit for system operations at OU1, which governs the withdrawal and disposal of extracted groundwater. ADWR notifies ADEQ and/or EPA of all permitting activities in the Site and buffer zone; new permits are distributed to ADEQ at the time of submittal. Since 2006, ADWR began notifying ADEQ of well modifications (e.g., capping and abandonment) using monthly summary reports. Also, if a well is proposed to be abandoned in the Site or buffer zone, ADWR notifies ADEQ; this has allowed ADEQ the opportunity to either collect groundwater samples or, in some cases, take ownership of the well. ADEQ is currently in the process of taking ownership of third-party wells at OU3. In August 2006, ADWR revised the rules governing well spacing and impact; these rules have not yet affected the Site, but could in the future. In addition, ADWR has changed the statutes, such that the Arizona Management Area water quality rules are applied state-wide.

***Josephine Duffy, Community Member, Interviewed on September 23, 2010.*** Ms. Duffy is a resident of the Green Gables Neighborhood (located outside of the Site near the OU2 and OU3 boundary) for the past 57 years. Ms. Duffy also attended community meetings at Gateway Community College in 2008. She has found most community members to believe their water is contaminated. She recommends more community education and suggests holding more tours of the treatment facilities.

**Robert Frank, Senior Hydrologist, CH<sub>2</sub>M Hill, Interviewed on October 27, 2010.** Mr. Frank is a senior hydrogeologist for CH<sub>2</sub>M Hill, the consultant for Honeywell at OU2. Mr. Frank's responsibilities during the current Five-Year Review Period have included filling data gaps from the FRI for use in the Feasibility Study and submitting groundwater monitoring reports for the Honeywell 34<sup>th</sup> Street Facility. Mr. Frank also reviews other OU1 and OU2 related documents, including effectiveness reports; however he is not directly involved with OU1 activities. During the current Five-Year Review Period, Mr. Frank believes that progress has been seen in the completion and agency approval of the Honeywell 34<sup>th</sup> Street Facility FRI, the startup of the BSVE system at the Honeywell 34<sup>th</sup> Street Facility, and the reduction in groundwater monitoring requirements, both in frequency and number of wells. Mr. Frank believes the remedial systems in both OU1 and OU2 have removed a significant amount of volatile organic compounds, which he believes has reduced the lifespan of contaminants in OU2 and OU3. Despite this progress, Mr. Frank is concerned about the length of time and cost needed for the selected remedies in OU1 and OU2. He recommends either supplemental treatments or a risk-based perspective be considered to shorten the length of treatment. Also during the current Five-Year Review Period, Mr. Frank noted the revisions to the Arizona Soil Remediation Levels (SRLs), including the removal of the total petroleum hydrocarbons standard and the addition of trimethylbenzene standards. He anticipates these changes to the SRLs will have a large impact later in the remedy. At the conclusion of his interview, Mr. Frank commented on the need for ADEQ and EPA to improve communication when submitting comments of reviewed documents.

**Les Holland, Community Member, Interviewed on September 24, 2010.** Mr. Holland is a former Motorola employee and has lived near the 52<sup>nd</sup> Street Facility since 1969. Mr. Holland attends meetings, receives mailings, and reads reports related to the Site; he feels he has been kept informed of Site activities. Mr. Holland is happy that cleanup is underway at the Site and the Companies are no longer polluting. In his interview, Mr. Holland expressed concerns with the effect of Site contamination on the community's health (specifically, contamination in air and groundwater). He believes Site contamination may be the cause for the number and types of illnesses in the community. He plans on creating a public registry to document community member illnesses, but requests that EPA also track the health of former employees and residents within a three-mile radius. He believes that wind information for the last 50 years could help in identifying potentially impacted neighborhoods. The community would also benefit from more information about the health impacts of the contaminants. Mr. Holland requests health studies (funded by the PRPs) be performed to address these concerns. Mr. Holland also made the following recommendations for the regulatory agencies: (1) Provide the public with more information about Site cleanup; specifically, the cost, amount of contamination removed, and end point; (2) Explain why drinking water standards are cleanup goals if the groundwater is not used for drinking; (3) Be careful to not favor or takes sides with PRPs during presentations.

***Councilman Michael Johnson, Councilman, City of Phoenix - District 8, Interviewed on October 20, 2010.*** Councilman Michael Johnson represents the citizens of District 8 in the City of Phoenix. This district includes a portion of OU1 and the entirety of OU2 and OU3. As a representative of the community, the Councilman shares the community's concern regarding the environmental impacts from the Site on the community. The Councilman is aware that community members have been in direct contact with ADEQ and EPA and believes the agencies are adequately addressing the community's concerns.

***Dr. Ruthann Marston, President, Phoenix Elementary District No. 1 Governing Board, Interviewed on September 22, 2010.*** Dr. Marston resides in the area of the Site near McDowell Road and Central Avenue. Phoenix School District No. 1 (where she is President) lies within the OU2 and OU3 boundaries. Dr. Marston is a former CAG member and current CIG member. She is not aware of any complaints of vandalism or dumping in the area and stated the OU2 treatment plant is well-screened and non-intrusive. She and other community members received tours at the OU2 facility when it first became operational and feel comfortable with facility operations. Dr. Marston also feels well informed of site activities, especially in the reporting on OU3 PRPs. During the work for OU2, school busses were rerouted; she expects similar bus rerouting for upcoming OU3 work. Dr. Marston is concerned about the Site's effect on children and the elderly and wishes to see the entire site remediated. She feels public pressure is the only effective means of instigating action from PRPs and regulatory agencies. In addition, Dr. Marston noted that although the PRP's and their consultant's defensive attitudes have improved, the general public's attitudes have not changed, making interactions between the two groups difficult. Dr. Marston recommends presenters limit presentations to the most important points and provide explanations as to why they are important.

***Jenn McCall, Strategic Programs Manager, Freescale Semiconductor, Inc., Interviewed on October 26, 2010.*** Ms. McCall of Freescale is responsible for the operation of the OU1 and OU2 treatment facilities on behalf of Motorola. During the current Five-Year Review Period, Ms. McCall believes the treatment systems at OU1 and OU2 have continued to be efficiently operated and optimized. Freescale's site activities at OU1 during the current Five-Year Review Period include: (1) installation of multiple wells (including a FLUTE well) for defining the northern plume boundary and demonstrating vertical capture, (2) obtaining approval of the revised groundwater monitoring plan, (3) submittal of the draft Soil Gas Sampling Work Plan to EPA, and (4) well installation and data collection for the bedrock pilot study. A new use for the treated water discharge is required as ON Semiconductor is ramping down its activities and will not need the water going forward. Freescale is actively looking for a new long-term use for the OU1 treated water. In the interim, ADEQ has approved the discharge of OU1 treated water to the sanitary sewer for one year. Construction of infrastructure to allow discharge to the sanitary

sewer was to begin shortly after the interview. Freescale's site activities at OU2 during the current Five-Year Review Period include: (1) installation of nine wells to demonstrate plume capture and (2) approval of the substantive requirements of AZPDES boron mixing zone proposal. Also during the current Five-Year Review Period, Freescale signed an AOC with the EPA for a soil gas and vapor intrusion to indoor air evaluation. Ms. McCall did not note any issues or problems with the operation or maintenance of the OU1 or OU2 treatment facilities; however, Ms. McCall did express difficulty with the number of personnel changes at both the ADEQ and EPA. Changes in agency personnel require Freescale to re-familiarize the agencies with already presented information and make changes to reporting formats. Ms. McCall provided the following recommendations for the agencies: (1) perform a review of the groundwater monitoring schedule to identify opportunities to decrease sampling frequency in some monitoring wells and (2) continue agency funding and resources in support of site activities.

***Phil McNeely, Environmental Programs Manager, City of Phoenix, Interviewed on October 27, 2010.*** Mr. McNeely represents the City of Phoenix which provides water, right-of-way access, and storm drain access for the operable units. The City of Phoenix has been involved in the OU2 airport cleanup with Honeywell International and the OU1 groundwater end use evaluation. The City of Phoenix does not currently pump groundwater from the Motorola 52<sup>nd</sup> Street Superfund Site area. When groundwater quality is restored, the City of Phoenix plans on pumping from this aquifer. During the current Five-Year Review Period, the City of Phoenix believes the OU1 and OU2 treatment facilities have been effective at plume containment. However, the City of Phoenix believes the Honeywell BSVE system has not been effective at treating the contaminant plume on the airport property. They have attributed the system's ineffectiveness to a rising water table and submerged contaminated zone. The City of Phoenix recommends that Honeywell consider alternatives to the BSVE system in order to effectively remediate the submerged contaminated zone on the airport property. The City of Phoenix also believes a significant TCE source exists west of 20<sup>th</sup> Street near the center of the plume that has not been identified. This migrating contamination has resulted in a comingled plume between OU3 and the West Van Buren WQARF Site. The City of Phoenix recommends the OU3 and West Van Buren sites be evaluated as a regional plume when choosing a remedy, which they believe will be more efficient and cost effective.

***Troy Meyer-Kennedy, Remediation Manager, Honeywell International, Inc., Interviewed on October 21, 2010.*** Ms. Meyer-Kennedy of Honeywell, in conjunction with other PRPs, is responsible for the O&M of the OU2 groundwater treatment facility and oversight of the OU3 Remedial Investigation. Honeywell also oversees the remedial investigation and BSVE system operation at the Honeywell 34<sup>th</sup> Street Site. During the current Five-Year Review Period, Ms. Meyer-Kennedy believes that progress has been seen in the completion of OU2 remedial

investigation efforts, a determination that there are no continuing sources of chlorinated solvents from the Honeywell site, and initiation of the OU3 Remedial Investigation. Honeywell believes the OU2 groundwater treatment facility has been successful at capturing contaminants and reducing contaminant concentrations downgradient of the treatment system. The Companies are currently evaluating opportunities for mass reduction in areas of the plume where high levels persist. All remediation systems, whether operated by Honeywell or jointly with other PRPs, are being consistently maintained and have continued compliance at all discharge points. Honeywell believes the 34<sup>th</sup> Street Facility BSVE system is controlling the migration of vapors in the vadose zone and remediating soil. Despite the challenges to BSVE operations associated with the elevated water table, the risk to workers and neighboring facilities is controlled. Ms. Meyer-Kennedy provided several recommendations including: (1) coordinate between ADEQ and EPA to compile one set of comments on reviewed documents thereby promoting a consistent set of expectations for the work performed, (2) allow for optimization in sampling frequency where it has been established that the data are not dramatically changing, (3) provide consistent management of vapor intrusion across all [Arizona] regions, and (4) ensure education and awareness on the real risk associated with the potential for soil vapor intrusion.

***Gary Piers and Lorana Mineer, Community Members, Interviewed on September 24, 2010.*** Mr. Piers and Ms. Mineer have lived within the OU2 boundary for the past 35 and 53 years, respectively. During the current Five-Year Review Period, they have attended CIG meetings, attended tours of the treatment facilities, and received email updates of site activities. Mr. Piers feels he has been effectively informed of site activities; Ms. Mineer does not feel she has been effectively informed. In their interview response, Mr. Piers and Ms. Mineer expressed concerns about the lack of progress in the cleanup, length of time required for cleanup, and possibility of EPA running out of money before the cleanup is complete. They also raised questions about groundwater flow in the area.

***Mary Moore, Vice President, Lindon Park Neighborhood Association, Interviewed on February 10, 2011.*** The Lindon Park Neighborhood Association (the Association) is the technical assistance grant (TAG) recipient for the Motorola 52<sup>nd</sup> Street Site, which includes OU1, OU2, and OU3. As the TAG recipient, the Association is required to try to understand the site, interpret and review site documents, share information with the community, and answer questions raised by residents. During the current Five-Year Review Period, the Association has reviewed reports, prepared public comments, attended and hosted community meetings, and observed site activities, such as drilling of the new wells for the OU1 Bedrock Pilot Study and groundwater sampling in OU2. The Association believes progress has been made at the Site in EPA's assuming oversight of community involvement, EPA's assuming oversight of the vapor intrusion investigation, and the Association's efforts to educate the public. During the current

Five-Year Review Period, the Association held public workshops, sought outside experts to speak at TAG meetings, and engaged the Hispanic community through interviews on local Spanish-speaking radio stations. During her interview, Ms. Moore expressed concern with the lack of detailed information presented to the public and the Association. Furthermore, Ms. Moore requested that this information be presented in a timely manner so community concerns may be considered during the decision-making process. Ms. Moore also expressed concern with the length of time required for the cleanup and requests more information about alternative remedial technologies (e.g., injection technologies) and their applicability at the Site. Ms. Moore requests that the decision not to inject groundwater into the subsurface (as determined in 1999 in an Explanation of Significant Differences) be revisited. Ms. Moore noted that community members in OU1 have reported structural problems with their homes due to land subsidence. If land subsidence is occurring in OU1, it may be altering groundwater contour maps used in the cleanup. The Association has raised concerns with site investigation practices, including the improper characterization of investigative-derived waste and the lack of characterization of the flow and transport of groundwater through bedrock. Ms. Moore also noted the abandonment of multiple wells on the Freescale property during the current Five-Year Review Period without the collection of soil vapor samples, which the Association believes may have been useful in the investigation. Another significant concern of the Association includes the effect of budget cuts and staff changes at EPA and ADEQ, which the Association believes has contributed to inconsistent management. In particular, the Association is concerned with the experience and technical expertise of those making the decisions in OU1 and OU2 (the Association believes decisions are being made by agency and/or state officials).

***Manfred Plaschke, Project Manager, Conestoga-Rovers & Associates, Interviewed on October 27, 2010.*** Mr. Plaschke of CRA is the supervising contractor selected by the Companies (Freescale and Honeywell), responsible for the O&M of the 20<sup>th</sup> Street Groundwater Treatment Facility (associated with OU2), installation and maintenance of the well network, routine groundwater monitoring and associated monthly progress reports, quarterly groundwater monitoring reports, and annual effectiveness reports. During the current Five-Year Review Period, the 20th Street Groundwater Treatment Facility has been effective at achieving containment. Sufficient data was collected during the current Five-Year Review Period to demonstrate both the southern boundary of the OU2 TCE plume and plume containment by the OU2 GES (this consensus was reached at the 2008 Technical Working Group Meeting). Prior to this consensus, groundwater monitoring had been conducted quarterly in select southern area OU2 monitoring wells. The monitoring requirement for these select wells was reduced to ‘semi-annual’ following the consensus. In addition to achieving containment, the boron mixing zone proposal, which describes the discharge of OU2 treated water to the Grand Canal, was approved by ADEQ during the current Five-Year Review Period.

***Julie Reimenschneider, Remedial Programs Section Manager, Arizona Department of Environmental Quality, Interviewed on October 27, 2010.*** Ms. Reimenschneider is the Remedial Programs Section Manager, at ADEQ which oversees State and Federal Superfund projects including the Motorola 52<sup>nd</sup> Street Superfund Site. The Remedial Programs Section reviews and oversees the technical work completed by the RPs and their consultants for OU1, OU2, and OU3 in addition to work by ADEQ contractors. During the current Five-Year Review Period, Ms. Reimenschneider believes that progress has been seen in the approval of a Consent Decree between Honeywell, Freescale, and ADEQ. Ms. Reimenschneider also believes progress has been seen by the approval of the boron mixing zone at the OU2 treatment effluent discharge point. During the current Five-Year Review Period, regulatory oversight of community involvement changed from ADEQ to the EPA. ADEQ will continue to cooperate with EPA on community involvement issues. The EPA will also be leading vapor intrusion activities at OU1. ADEQ is interested in the results of this vapor intrusion evaluation and the possible implications for all OUs. ADEQ also looks forward to EPA's national standardized guidance regarding the collection and analysis of vapor intrusion data. Per the CD, ADEQ will be leading regulatory oversight of the OU2 treatment system. Monitoring activities at the OU2 treatment system will remain the same; however, reporting will be reduced to quarterly. ADEQ expects this to result in a reduction in costs for the RPs. Ms. Reimenschneider commented on the cooperative relationship between all OUs, which has resulted in a more consistent approach and progress in all phases of Site cleanup.

***Janet Rosati, Remedial Project Manager, EPA Region 9, Interviewed on October 20, 2010.*** Ms. Rosati is the Remedial Project Manager for EPA Region 9, which is responsible for managing OU3 and the Soil Gas and Vapor Intrusion to Indoor Air Investigation in OU1. During the current Five-Year Review Period, EPA has assumed oversight of the OU1 Vapor Intrusion Investigation in addition to community involvement. Ms. Rosati believes progress has been seen in the completion of the SOW and AOC for OU1 and OU3, completion of some of the facility-specific investigations in OU3, and the formation of the CIG. EPA believes down-gradient contaminant concentrations have decreased significantly in OU1 and a separation exists between the down-gradient portion of the plume and the area near the OCC. Contaminant concentrations are decreasing in OU2 and OU3, which is believed to be a result of the OU1 and OU2 treatment systems. Ms. Rosati also noted the following changes to screening levels during the current Five-Year Review Period: the development of Soil Gas Human Health Screening Levels (SGHHSLs) by EPA Region 9 and the replacement of the Preliminary Remediation Goal (PRG) table with a Regional Screening Level (RSL) table by the EPA. The EPA is currently overseeing a soil gas sampling effort in OU1 to determine if indoor air sampling is warranted to evaluate the vapor intrusion to indoor air pathway. The results of this study will be used in establishing protectiveness and moving towards a final remedy for OU1. Ms. Rosati expressed hope for more

community interest and involvement following the completion of the Soil Gas Sampling Work Plan.

***Tom Suriano, Senior Hydrogeologist, Clear Creek Associates, Interviewed on October 26, 2010.*** Mr. Suriano is the Project Principal for Clear Creek Associates, the primary consultant for Freescale at OU1. Clear Creek Associates' responsibilities at OU1 include collecting samples, evaluating data, preparing reports and workplans, maintaining the site database, and arranging site activities. Clear Creek Associates also assists Freescale at OU2, but generally, the Companies (Freescale and Honeywell) are supported at OU2 by the joint contractor CRA. During the current Five-Year Review Period, Mr. Suriano believes the OU1 and OU2 remedies have continued to be effective at meeting their objectives of containing the plume and removing contaminant mass. During the current Five-Year Review Period, Clear Creek Associates performed routine groundwater monitoring, installed additional groundwater monitoring wells, and prepared annual effectiveness reports. The groundwater monitoring program was also updated by Clear Creek Associates in 2009 in an effort to streamline and reduce costs. The following activities were initiated but not completed by Clear Creek Associates during the current Five-Year Review Period: (1) performing a bedrock pilot program evaluation, (2) evaluating alternative end uses for the OU1 system's treated water, and (3) developing a work plan to evaluate soil gas to indoor air vapor intrusion. Mr. Suriano also noted that changes in agency oversight and agency staff have increased the number of report iterations (due to changes in reporting requirements, etc.).

***Jason Weed, Project Engineer, Gutierrez-Palmenberg Inc., Interviewed on October 26, 2010.*** Mr. Weed of GPI is the O&M contractor for Freescale at OU1. Mr. Weed supervises the OU1 treatment plant operator and field support staff, who perform O&M of the OU1 treatment plant and well field. The OU1 treatment system continued during the current Five-Year Review Period to operate efficiently in maintaining a capture zone, with monthly operational uptime of 95% or greater. During the current Five-Year Review Period, changes were made to the OU1 treatment system, which include the installation of a new roll-off vapor phase carbon unit, air duct, and amendment system to add sodium hexametaphosphate as a scale inhibitor. The O&M Manual is currently being revised by GPI to account for these changes and updates to the OU1 treatment system. Since the installation of the new carbon unit, air flow and distribution have improved, resulting in increased carbon life and efficiency. The treatment system's process control program (a program that monitors tank levels, operates control valves, monitors meters, etc.) has also been improved. Also during the current Five-Year Review Period, bedrock wells were installed by Clear Creek Associates as part of the bedrock pilot program; these wells were added to the OU1 well maintenance and extraction network. The addition of the bedrock wells to the OU1 well network has resulted in an increase in TCE concentration in extracted groundwater. The

OU1 treatment system has not experienced any breakthrough because of these higher TCE concentrations. Pure phase product has not been detected in periodic groundwater samples collected from these wells.

*Karol Wolf, Environmental Services, Salt River Project, Interviewed on October 27, 2010.* Ms. Wolf represents SRP, which accepts and makes beneficial use of the treated groundwater from the OU2 treatment facility. SRP was also involved in a Remedial Investigation at the SRP 16<sup>th</sup> Street Facility. During the current Five-Year Review Period, SRP developed a final agreement with the Companies (Freescale and Honeywell) for the discharge of the treated groundwater to the SRP Grand Canal from the OU2 facility. Under the direction of the Companies, CRA sends timely discharge reports as part of the agreement. In the event of a canal dry-up or storm, the discharge of treated groundwater from the OU2 facility is suspended.

*Jerry Worsham, Attorney, Gammage and Burnham, Interviewed on September 24, 2010.* Mr. Worsham of Gammage and Burnham is the legal counsel for ArvinMeritor, Inc. and Cooper Industries, Inc., two PRPs at the ArvinMeritor facility in OU3. ArvinMeritor Inc., Cooper Industries Inc., and Adobe-Air are conducting a facility-specific RI/FS at the facility pursuant to an **in the EPA** AOC with EPA (Docket No. 2004-18), entitled **“In the matter of Motorola 52<sup>nd</sup> Street Superfund Site”**. Mr. Worsham oversees and directs the legal responses for the technical work provided by Arcadis, **as per the AOC**, the contractor for his clients. He receives emails and mailings, uses regulatory agency websites, and attends public meetings with ADEQ and EPA in addition to public hearings. Mr. Worsham feels he has been effectively informed. During the current Five-Year Review Period, Mr. Worsham has been involved with well installation, site investigation, and soil vapor extraction activities in addition to numerous EPA and ADEQ regulatory meetings. Mr. Worsham feels progress has been made in the startup of the SVE system on the northern half of the property and the demonstration of no need for further investigation on the southern half of the property. These investigations eliminated many sitewide questions. He feels confident the OU3 plume, which was created by other companies and sources, is being addressed.