| **CAP Milestone** | **Anticipated Date** | **Planned Community Engagement Activities** | **Task Initiated and/or Completed** | **Task Planned for Following Quarter** | **Problems and Delays** |
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| Capacity Plan for Potable Water Supply, City of Crystal Springs  (submitted to MDEQ, and MDOH June 8, 2012). | Summer 2012 | * Concurrently submit to the mayor of the City of Crystal Springs for review and comment. * Publish in quarterly newsletter to interested parties. * Update civic leaders. * Approved document will be placed in public repository. | * Capacity Plan for Potable Water Supply approved by MDEQ in December 2012. * Quarterly Newsletter distributed to Crystal Spring’s residents and businesses in January 2013. * Mayor and Civic leaders were updated through the Newsletter. * Documents placed in the public repository. Also available upon request. | - None at this time. This milestone is complete. | - None at this time. |
| Capacity Plan Implementation    Interim Treatment System Final Design | Summer –Fall 2012 | * Will be submitted to MDEQ, MSDH, and engineers selected by the City of Crystal Springs. * Approved design will be placed in the public repository at the Crystal Springs library and on the MDEQ website. * Public notice upon approval. * Update civic leaders. * Publish in quarterly newsletter to interested parties. | * The bench study and final design was successfully completed. * The MDSH issued a letter of concurrence with the proposed interim treatment system design in November 2012. * The final design was approved by MDEQ in December 2012. * Public notice and updates to civic leaders were provided via quarterly newsletter in January 2013. | * None at this time. Design is complete. | - None at this time. |
| Capacity Plan Implementation  Interim Treatment System Construction Complete | Fall 2013 | * Public notice * Update civic leaders. * Publish in quarterly newsletter to interested parties * Attend regularly scheduled City meeting on an annual basis and provide update. | - Treatment system site preparation and construction complete.  - Public notice provided in The Meteor article published Nov 6, 2013.  - Update published in quarterly newsletters October 2013.  - Capacity Plan for Potable Water Supply Status Report submitted to MDEQ and City in August 2013.  - Tests conducted in Sept/Oct 2013 confirmed the system will perform as designed.  - Operations Demonstration conducted for City, MDOH, and MDEQ Oct 30, 2013.  - Ready to be activated if treatment of the City wells becomes necessary.  - Emergency Generator added July 2015. | - System will remain on standby and water quality will continue to be monitored on a regular basis.  - If operation is required, establish City update schedule. | - None at this time. |
| Capacity Plan Implementation  Long term volume replacement, as needed | Ongoing | * Progress will be included in Groundwater monitoring reports submitted to MDEQ. * Update civic leaders. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide update. | - Updates via newsletters, Capacity Plan for Potable Water Supply Status Report (August 2013), verbal reports.   * Collaboration with City. * Access and testing approved by Board of Aldermen October 7, 2014. * Public Notice for public supply wells October 8-18, 2014. * Well Permits October 21, 2014. * Test Wells January 2015. * Design for Two Supply Wells approved by MDOH 2015. * Supply Wells CSW-WA9 and CSW-WA10 complete January 2016. * CSW-WA9, CSW-WA10 approved July 2016. * CSW-WA9, CSW-WA10 operating June 2017. * CSW-WA1 and CSW-WA2 taken out of service July 2017. * Water Main easements acquired. * Additonal supply well location being tested. | * Collect bids on additional water main to facilitate long-term connection to municipal treatment and distribution plant. * Testing of current test well along Harmony Road. * Design/site additional Supply Well. * Continued collaboration with City. | * Additional test well needed; this has delayed this task. |
| Expected results of Soil Vapor Extraction (SVE) Pilot Test | Fall 2012 | * Updates with individuals, as requested. * Results will be included in Final Design submitted to MDEQ. Once approved, MDEQ will place the design in a public repository at the Crystal Springs library and on the MDEQ website. * Publish in quarterly newsletter to interested parties. | * The initial test of the proposed Soil Vapor Extraction (SVE) procedure was successfully completed in May 2012. * The results were be included in the final design submitted to MDEQ. * Updates on this milestone were included in the October 2012 Quarterly Newsletter. * Pilot Test Report and SVE Conceptual Design submitted to MDEQ in February 2013; approved in July 2013. | - None at this time. This milestone is complete. | - None at this time. |
| Final design of SVE System | Fall 2013 | * A final design will be submitted to MDEQ. Once approved, MDEQ will place the design in a public repository at the Crystal Springs library and on the MDEQ website. * Publish in quarterly newsletter to interested parties. * Update civic leaders. | * Detailed design work has been completed for design, procurement, and installation of the SVE system. * Conceptual Design was submitted to MDEQ in February 2013, revised May 2013, and approved July 2013. * Soil Vapor Extraction Final Design and Quality Assurance Project Plan submitted to MDEQ September 2013, approved by MDEQ October 2013. * Update on this milestone was included in the July 2013, October 2013, and January 2014 Newsletters. | * None. This milestone is complete. | - None. |
| Installation of SVE System | Winter 2013-2014 | * Construction report will be submitted to MDEQ. * Approved report will be placed in public repository at Crystal Spring’s library and on MDEQ website. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide update. | - Extraction well installed as part of the SVE pilot test in 2012.   * Soil Vapor Extraction Final Design and Quality Assurance Project Plan approved by MDEQ October 2013. * Installation of the full scale SVE system was completed December 2013 - April 2014. Optimization and start of operation occurred in May 2014. | - None at this time. This milestone is complete. | - None at this time. |
| Monitored Natural Attenuation (MNA)/ Groundwater Monitoring | Ongoing Semi-Annually | * Groundwater Monitoring Reports will be sent to the MDEQ following each sampling event. * Final Monitoring Reports will be placed in a public repository at the Crystal Springs Library and the MDEQ website. * Updates with individuals, small groups as requested. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide update. | - Semi-Annual Groundwater Assessment Report submitted to MDEQ.   * Two additional monitoring wells installed December 2015. * Notice of upcoming reports/sampling included in quarterly newsletters. * Documents submitted to MDEQ for placement in the public repository. Also available upon request. | * KEC will respond to any comments that might be received on the Semi-Annual Groundwater Assessment Report submitted to MDEQ. | * City meeting schedule not established. City satisfied with verbal updates and newsletters to date. |
| Ongoing SVE operations | Ongoing Quarterly- to Semi-Annually | * KEC will submit a summary of the active SVE operations within the Ground Water Assessment Reports. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide updates. | - Soil Vapor Extraction System Semi-Annual Report issued September 2015.   * Monitoring, operation and maintenance of SVE is ongoing. * Updates are included in quarterly newsletters. * Performance assessment soil sampling program completed 4Q 2016. Report submitted 1Q2017. | - Operation and monitoring of full scale system. | - None at this time. Attendance at City meetings not requested. |
| Air sparge (AS) vs. alternative remedial method evaluation –  KEC will evaluate the effectiveness of the SVE system and either proceed with the installation of Air Sparging or an alternative plume treatment scenario. | Fall - Winter 2014 | * Recommendations will be made available to MDEQ in written format. Any changes to the CAP approved by MDEQ will be posted to the public document repository. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide updates. | - Timing for this milestone is pending monitoring results from operation of the SVE system. To date, the system continues to remove contamination from beneath the building slab. | - Continued evaluation of SVE system performance.  -Augmentation design. | - SVE System start up delayed until 2014; performance evaluation also delayed. |
| Contingencies/In Situ Treatment –  Groundwater trends will be reexamined and KEC will determine if the treatment technologies are meeting the CAP objectives. | 2014 – 2015 | * Will be summarized on Groundwater Monitoring reports. * Final Monitoring Reports will be placed in a public repository at the Crystal Springs Library and the MDEQ website. * Updates with individuals, small groups as requested. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide updates. | - Groundwater trends were evaluated 2016. Additional data is being collected. However, indications are that SVE is making progress toward CAP objectives. | - Data evaluation will continue in 2019. | - Delayed due to delayed implementation and ongoing effectiveness of SVE system. |
| No Further Remedial Action Request  (Monitoring Only) | To Be Determined | * Formal request will be submitted to MDEQ when data supports it. * Public notice. * Publish in quarterly newsletter to interested parties. * Attend regularly scheduled City meeting on an annual basis and provide updates. | - This milestone will be completed pending the results of planned remedial actions. | - None at this time. | - None at this time. |