



April 30, 2019

Melissa McGee-Collier  
Office of Community Engagement  
Mississippi Department of Environmental Quality  
PO Box 2261  
Jackson, MS 39225

**RE: COMMUNITY ENGAGEMENT PROGRESS REPORT FEBRUARY 2019 THROUGH  
APRIL 2019, KUHLMAN ELECTRIC CORPORATION CLEAN UP ACTIONS,  
CRYSTAL SPRINGS, MISSISSIPPI**

Dear Ms. Collier:

This report provides a summary of community engagement actions taken for the Kuhlman Electric Corporation (KEC) environmental clean-up actions in Crystal Springs, Mississippi, as required by the Community Engagement Plan approved by the Mississippi Department of Environmental Quality (MDEQ) on July 17, 2012. This report will cover the period from February 2019 through and including April 2019. Future reports will continue to be provided quarterly.

KEC has continued to be actively engaged with the community. During this quarter, KEC with its consultants Environmental Management Services (EMS) and Caffee, Caffee and Associates (CCA) has updated and notified Crystal Spring's residents of remedial activities through community meetings, one-on-one dialogue, and the quarterly newsletters.

The following CAP milestone activities were initiated or continued during this reporting period.

- Soil Vapor Extraction System Operation and evaluation (ongoing).
- Capacity Plan Implementation –
  - Operation of new City wells CSW-WA9 and CSW-WA10 continued.
  - City wells CSW-WA1 and CSW-WA2 remain out of service.
  - Easement acquisition for new supply pipeline efforts continued.
  - Evaluation of potential additional supply well locations continued.
  - SVE performance monitoring data evaluation continued.
- Groundwater monitoring continued.

Progress in implementing the Community Engagement Plan as it relates to these specific milestones, above, is detailed in Table 1 (attached). There were no required activities that were not completed.

Several community relations actions are conducted on an as-needed basis, designed to meet the requests and needs of the public. The status of these actions is as follows:

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### Points of Contact

The local contact is Craig Flagge, HSE Manager for the Crystal Springs facility.

### Fact Sheets

Fact sheets are available on an ongoing basis, as requested from the public. Fact sheets available are:

- Soil Vapor Extraction
- Air Sparging
- Monitored Natural Attenuation
- Groundwater Corrective Action Plan

### Media Releases and Briefings

There were no media releases or briefings.

### Public Notices

There were no Public Notices required or completed.

### Information Repository

The information repository is maintained by MDEQ online at <https://www.deq.state.ms.us> and at the Crystal Springs Public Library Information Desk, 200 South Jackson Street, Crystal Springs, MS. MDEQ adds approved documents and final reports only. During this reporting period, the following submittals were made:

- Semi-Annual Groundwater Assessment Report (February 25, 2019).
- Soil Vapor Extraction Semi-Annual Report (March 7, 2019).

### Local Briefings and telephone briefings

Caffee, Caffee and Associates (CCA), on behalf of KEC, continues to hold individual meetings as requested, as well as telephone conversations each month during the reporting period. CCA attends the Chamber of Commerce meetings when held. CCA has maintained communication and a presence in the community each month to reassure residents of KEC's community engagement efforts. Additionally, representatives held one-on-one talks with businesses and churches in Crystal Springs while hand delivering copies of the KEC newsletter (see Direct Mail below).

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Public Meeting, Open Houses and Small Group Meetings

CCA has continually offered updates during the reporting period, as requested, not including those who received newsletters (see Direct Mail below).

Direct Mail

KEC continued to distribute copies of the quarterly newsletter. KEC also updated its distribution lists and published the quarterly newsletter, the Kuhlman Cleanup News, in April 2019. Over 1800 newsletters will be distributed. Newsletters are delivered to 125 individuals, various local businesses, the local library, City Hall, Chamber of Commerce, and 42 churches. Businesses and churches receive copies of the newsletter to ensure a broad distribution and that interested individuals have multiple locations to obtain a copy. This issue of the newsletter provided updates on the soil vapor extraction system, water quality monitoring, and municipal supply augmentation progress. A copy is attached.

Comment Period and Comment Responses

MDEQ has not notified KEC of any other public notice/comment periods required at this time.

Upcoming Activities

KEC will provide the next quarterly update in July 2019. Please do not hesitate to contact me with any questions you might have at 601-892-6567.

Sincerely,



Craig Flagge

HSE Manager, ABB Crystal Springs, MS

# KUHLMAN CLEANUP NEWS

*Newsletter on Kuhlman Environmental  
Cleanup in Crystal Springs*

APRIL 2019

## CURRENT PROGRESS AND UPCOMING PROJECTS

### *Soil Vapor Extraction Progress*

The quarterly monitoring of the soil vapors beneath the plant floor was recently performed. Routine ambient air monitoring was also conducted within the facility. The Soil Vapor Extraction system is still working efficiently. The Soil Vapor Extraction system is also having a positive impact on the groundwater quality beneath the facility. Concentrations of the target chemicals in groundwater continue to show a downward trend.

QUESTIONS

OR

COMMENTS?

*If you have any questions  
or concerns, we want to  
hear them!*

*Please submit all questions  
or comments to Brenda  
Bell Caffee of Caffee,  
Caffee and Associates  
at  
601-336-7212.*

### *City Water Supply Pipeline*

Finishing touches are being made to the specifications for the installation of an additional water supply pipeline to be installed that will bring water from the new wells east of the city to the water treatment and distribution system. Bidding for the installation will occur within the next few months. KEC will work cooperatively with the City and their engineers on this project.

### *City Water Supply*

KEC continues to investigate additional sources of water supply for the City of Crystal Springs. A possible site for a new well has been selected off Harmony Road east of the City. Once the necessary approvals are received, a well will be installed and tested to determine if it will meet the capacity and water quality criteria necessary for the well to be included into the network for City water. The existing City wells continue to be sampled monthly and reported to MDEQ and the City.

### *Ground Water Monitoring and Sampling*

The semi-annual groundwater monitoring event was just completed with (46) monitor wells sampled. Once the analytical results are received, the report will be submitted to MDEQ for review and placed into the library for public review.

### **FACT SHEETS AVAILABLE**

We understand that the terms sometimes used in the newsletters and reports can be a little confusing. For this reason, fact sheets are always available, upon request, to describe the processes and procedures being used. Any of these fact sheets can be requested by contacting Caffee, Caffee and Associates.

### **UPCOMING EVENTS**

- Continued operation of the full-scale Soil Vapor Extraction system
- Continued monitoring of existing public supply wells

### **PUBLIC DOCUMENTS REPOSITORY**

All Public documents referenced in the April 2019 Newsletter are available at your local Crystal Springs Library for review or you can also visit <http://www.deq.state.ms.us/>

**KUHLMAN ELECTRIC CORPORATION**

101 KUHLMAN DRIVE, CRYSTAL SPRINGS, MS

**TABLE 1 - CORRECTIVE ACTION PLAN MILESTONE/COMMUNITY ENGAGEMENT TASK SUMMARY**

<b>CAP Milestone</b>	<b>Anticipated Date</b>	<b>Planned Community Engagement Activities</b>	<b>Task Initiated and/or Completed</b>	<b>Task Planned for Following Quarter</b>	<b>Problems and Delays</b>
<p>Capacity Plan for Potable Water Supply, City of Crystal Springs</p> <p>(submitted to MDEQ, and MDOH June 8, 2012).</p>	Summer 2012	<ul style="list-style-type: none"> <li>- Concurrently submit to the mayor of the City of Crystal Springs for review and comment.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Update civic leaders.</li> <li>- Approved document will be placed in public repository.</li> </ul>	<ul style="list-style-type: none"> <li>- Capacity Plan for Potable Water Supply approved by MDEQ in December 2012.</li> <li>- Quarterly Newsletter distributed to Crystal Spring's residents and businesses in January 2013.</li> <li>- Mayor and Civic leaders were updated through the Newsletter.</li> <li>- Documents placed in the public repository. Also available upon request.</li> </ul>	- None at this time. This milestone is complete.	- None at this time.
<p>Capacity Plan Implementation</p> <p>Interim Treatment System Final Design</p>	Summer – Fall 2012	<ul style="list-style-type: none"> <li>- Will be submitted to MDEQ, MSDH, and engineers selected by the City of Crystal Springs.</li> <li>- Approved design will be placed in the public repository at the Crystal Springs library and on the MDEQ website.</li> <li>- Public notice upon approval.</li> <li>- Update civic leaders.</li> <li>- Publish in quarterly newsletter to interested parties.</li> </ul>	<ul style="list-style-type: none"> <li>- The bench study and final design was successfully completed.</li> <li>- The MDSH issued a letter of concurrence with the proposed interim treatment system design in November 2012.</li> <li>- The final design was approved by MDEQ in December 2012.</li> <li>- Public notice and updates to civic leaders were provided via quarterly newsletter in January 2013.</li> </ul>	- None at this time. Design is complete.	- None at this time.

KUHLMAN ELECTRIC CORPORATION  
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<p>Capacity Plan Implementation</p> <p>Long term volume replacement, as needed</p>	<p>Ongoing</p>	<ul style="list-style-type: none"> <li>- Progress will be included in Groundwater monitoring reports submitted to MDEQ.</li> <li>- Update civic leaders.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Attend regularly scheduled City meeting on an annual basis and provide update.</li> </ul>	<ul style="list-style-type: none"> <li>- Updates via newsletters, Capacity Plan for Potable Water Supply Status Report (August 2013), verbal reports.</li> <li>- Collaboration with City.</li> <li>- Access and testing approved by Board of Aldermen October 7, 2014.</li> <li>- Public Notice for public supply wells October 8-18, 2014.</li> <li>- Well Permits October 21, 2014.</li> <li>- Test Wells January 2015.</li> <li>- Design for Two Supply Wells approved by MDOH 2015.</li> <li>- Supply Wells CSW-WA9 and CSW-WA10 complete January 2016.</li> <li>- CSW-WA9, CSW-WA10 approved July 2016.</li> <li>- CSW-WA9, CSW-WA10 operating June 2017.</li> <li>- CSW-WA1 and CSW-WA2 taken out of service July 2017.</li> <li>- Water Main easements acquired 2018.</li> <li>- Possible additional supply well location being negotiated.</li> </ul>	<ul style="list-style-type: none"> <li>- Continue design on additional water main to facilitate long-term connection to municipal treatment and distribution plant.</li> <li>- Design/site additional Supply Well if necessary.</li> <li>- Continued collaboration with City.</li> </ul>	<ul style="list-style-type: none"> <li>- Additional test well needed along Harmony Road based upon poor yield from initial test well (installed by others); this has delayed this task. Access must be obtained again and alternate technology employed.</li> <li>- Additional Easements for new water main route being pursued.</li> </ul>
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CAP Milestone	Anticipated Date	Planned Community Engagement Activities	Task Initiated and/or Completed	Task Planned for Following Quarter	Problems and Delays
Final design of SVE System	Fall 2013	<ul style="list-style-type: none"> <li>- 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.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Update civic leaders.</li> </ul>	<ul style="list-style-type: none"> <li>- Detailed design work has been completed for design, procurement, and installation of the SVE system.</li> <li>- Conceptual Design was submitted to MDEQ in February 2013, revised May 2013, and approved July 2013.</li> <li>- Soil Vapor Extraction Final Design and Quality Assurance Project Plan submitted to MDEQ September 2013, approved by MDEQ October 2013.</li> <li>- Update on this milestone was included in the July 2013, October 2013, and January 2014 Newsletters.</li> </ul>	- None. This milestone is complete.	- None.



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Monitored Natural Attenuation (MNA)/ Groundwater Monitoring	Ongoing Semi-Annually	<ul style="list-style-type: none"> <li>- Groundwater Monitoring Reports will be sent to the MDEQ following each sampling event.</li> <li>- Final Monitoring Reports will be placed in a public repository at the Crystal Springs Library and the MDEQ website.</li> <li>- Updates with individuals, small groups as requested.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Attend regularly scheduled City meeting on an annual basis and provide update.</li> </ul>	<ul style="list-style-type: none"> <li>- Semi-Annual Groundwater Assessment Report submitted to MDEQ.</li> <li>- Two additional monitoring wells installed December 2015.</li> <li>- Notice of upcoming reports/sampling included in quarterly newsletters.</li> <li>- Documents submitted to MDEQ for placement in the public repository. Also available upon request.</li> </ul>	<ul style="list-style-type: none"> <li>- KEC will respond to any comments that might be received on the Semi-Annual Groundwater Assessment Report submitted to MDEQ.</li> </ul>	<ul style="list-style-type: none"> <li>- City meeting schedule not established. City satisfied with verbal updates and newsletters to date.</li> </ul>

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CAP Milestone	Anticipated Date	Planned Community Engagement Activities	Task Initiated and/or Completed	Task Planned for Following Quarter	Problems and Delays
Contingencies/In Situ Treatment – Groundwater trends will be reexamined and KEC will determine if the treatment technologies are meeting the CAP objectives.	2014 – 2015	<ul style="list-style-type: none"> <li>- Will be summarized on Groundwater Monitoring reports.</li> <li>- Final Monitoring Reports will be placed in a public repository at the Crystal Springs Library and the MDEQ website.</li> <li>- Updates with individuals, small groups as requested.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Attend regularly scheduled City meeting on an annual basis and provide updates.</li> </ul>	<ul style="list-style-type: none"> <li>- Groundwater trends were evaluated 2016. Additional data is being collected. However, initial indications are that SVE is making progress toward CAP objectives.</li> </ul>	<ul style="list-style-type: none"> <li>- Data evaluation will continue in 2019.</li> </ul>	<ul style="list-style-type: none"> <li>- Delayed due to delayed implementation of SVE system.</li> </ul>
No Further Remedial Action Request  (Monitoring Only)	To Be Determined	<ul style="list-style-type: none"> <li>- Formal request will be submitted to MDEQ when data supports it.</li> <li>- Public notice.</li> <li>- Publish in quarterly newsletter to interested parties.</li> <li>- Attend regularly scheduled City meeting on an annual basis and provide updates.</li> </ul>	<ul style="list-style-type: none"> <li>- This milestone will be completed pending the results of planned remedial actions.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>