



Plains CO₂ Reduction (PCOR) Partnership
Energy & Environmental Research Center (EERC)

Plains CO₂ Reduction (PCOR) Partnership Monthly Update November 1–30, 2018

PHASE III ACTIVITIES

Task 1 – Regional Characterization (Wesley D. Peck)

This task ended in Quarter 1 – Budget Period (BP) 5, Year 11 (March 2018).

Task 2 – Public Outreach and Education (Neil Wildgust)

Highlights

- Completed the PCOR Partnership public Web site technical upgrade design. The upgraded Web site went live November 29, 2018. This eliminated security issues associated with the now-obsolete Flash player that has been streaming the video content on the PCOR Partnership public Web site for several years. The hyperlink to the public Web site remains www.undeerc.org/PCOR/. Note, if your browser has saved a cached version of the Web site, you may need to refresh your screen using Ctrl+F5.
- Continued editing and internal review of the draft updated Phase II Zama fact sheet.
- Met to review draft script changes to the video shorts for the Meeting the Challenge educational series Parts 3 and 4.
- Prepared cover letters and boxes to ship the “Coal: Engine of Change” documentary (Deliverable [D] 22) DVD to partners in the coming weeks.
- Efforts continued on updates to the PCOR Partnership public Web site, including the following:
 - Added links to the CO₂ Enhanced Oil Recovery page and individual CO₂ project pages to the left navigation menu.
 - Continued work on text edits on the Options to Reduce CO₂ page.
 - Added 22 video clips containing content from Documentary D22 entitled “Coal: Engine of Change” to the PCOR Partnership public Web site Video Clip Library. Content went live November 29, 2018.

Task 3 – Permitting and NEPA (National Environmental Policy Act) Compliance (Charles D. Gorecki)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 4 – Site Characterization and Modeling (Charles D. Gorecki)

This task ended in Quarter 1 – BP5, Year 10 (March 2017).

Task 5 – Well Drilling and Completion (John A. Hamling)

This task ended in Quarter 3 – BP4, Year 7 (June 2014).

Task 6 – Infrastructure Development (Melanie D. Jensen)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 7 – CO₂ Procurement (John A. Harju)

This task ended in Quarter 4 – BP4, Year 6 (September 2013).

Task 8 – Transportation and Injection Operations (Melanie D. Jensen)

This task ended in Quarter 4 – BP4, Year 8 (September 2015).

Task 9 – Operational Monitoring and Modeling (John A. Hamling and Larry J. Pekot)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 10 – Site Closure (John A. Hamling)

Highlights

- Completed preparation of metal signs for installation at each of the ten soil gas profile stations and the 04-03 OW (observation well) geophone array. The signs are part of decommissioning (abandoning in place) and transfer of operation of the installations to Denbury Onshore (Denbury), which is a preferred alternative to removal and reclamation. The signs locate and provide construction and health, safety, and environment (HSE) information as part of the transfer agreement.
- Traveled to the Bell Creek Field to install signs at soil gas profile stations and the 04-03 OW geophone array location the week of November 19, 2018.

Task 11 – Postinjection Monitoring and Modeling (John A. Hamling and Larry J. Pekot)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 12 – Project Assessment (Loreal V. Heebink)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 13 – Project Management (Charles D. Gorecki)

Highlights

- Attended the Midwest Regional Carbon Sequestration Partnership (MRCSP) 2018 Partners & Stakeholders Annual Meeting held November 14–15, 2018, in Annapolis, Maryland.

- The project manager served as a discussion leader at the SPE Carbon Capture, Utilization, and Sequestration Forum held November 27–30, 2018, in San Antonio, Texas. This forum was focused on technical and nontechnical challenges associated with implementing carbon capture, utilization, and storage (CCUS) on a commercial scale.
- KeyLogic on behalf of the U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL) and Stefan Bachu, InnoTech Alberta, completed external technical review of Draft D62 entitled “Plains CO₂ Reduction Partnership Phase III Final Report.” Received comments. The authors worked to address the comments.
- Received notification that the virtual special issue of *International Journal of Greenhouse Gas Control* (IJGGC) entitled “PCOR Partnership Assessment of CO₂ Geologic Storage Associated with Enhanced Oil Recovery” has been compiled and is available online.
- Continued addressing comments from an internal review of a value-added report on the geologic characterization and CO₂ storage potential of the state of Nebraska (continuation of a Task 1 activity), including updating figures and CO₂ storage potential ranges.
- Continued internal review of a value-added overview document based on the PCOR Partnership best practices manuals. Incorporated initial comments. A meeting was held to discuss formatting and graphic development for the document.
- Continued work on value-added documents discussing PCOR Partnership technical work. These will be submitted to appropriate subject matter journals.
- Uploaded the group photo from the 2018 PCOR Partnership Membership Meeting to the meeting Web site: www.undeerc.org/PCOR18/Default.aspx.
- Continued to evaluate data to determine appropriate content to upload into the DOE NETL Energy Data eXchange (EDX). Continued discussions of plans to upload PCOR Partnership data to EDX and a pathway for long-term data management, including the following:
 - Continued preparation, review, and upload of Phase II data. At least 75% of the data files have been uploaded as of November 16, 2018.
- Completed reporting in November:
 - October monthly update

Task 14 –RCSP (Regional Carbon Sequestration Partnership) WWG (Water Working Group) Coordination (Ryan J. Klapperich)

This task ended in Quarter 1 – BP5, Year 11 (March 2018).

Task 15 – Further Characterization of the Zama Acid Gas EOR, CO₂ Storage, and Monitoring Project (Charles D. Gorecki)

This task ended in Quarter 2 – BP4, Year 7 (February 2014).

Task 16 – Characterization of the Basal Cambrian System (Wesley D. Peck)

This task ended in Quarter 2 – BP4, Year 7 (March 2014).

Travel/Meetings

- November 13–16, 2018: traveled to Annapolis, Maryland, to attend the MRCSP 2018 Partners & Stakeholders Annual Meeting.
- November 16–25, 2018: traveled to Belle Creek, Montana, for fieldwork.
- November 25–30, 2018: traveled to San Antonio, Texas, to attend the SPE Carbon Capture, Utilization, and Sequestration Forum.

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