



**Plains CO₂ Reduction (PCOR) Partnership Monthly Update
July 1–31, 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 (Daniel J. Daly)

Highlights

- Continued writing the draft outreach paper for the 14th Conference for Greenhouse Gas Control Technologies (GHGT-14).
- Revised text for the Task 2 section of the PCOR Partnership Phase III final report – Deliverable (D) 62, under Task 13.
- Produced a version of the CO₂ enhanced oil recovery (EOR) animation with Prairie Public Broadcasting and Energy & Environmental Research Center (EERC)/University of North Dakota (UND) logos to be used in a video short being produced for educational purposes.
- Continued internal discussions and work on the planned PCOR Partnership public Web site technical upgrade design.

**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

- Nothing to note at this time.

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

- Presented “Autonomous Monitoring Systems” at the Workshop on Real-Time Decision-Making for the Subsurface held July 17–18, 2018, in Pittsburgh, Pennsylvania.
- Attended the WBI Energy Customer Meeting held July 17–18, 2018, in Bismarck, North Dakota.
- Attended the Carbon Utilization Research Council (CURC) General Membership Meeting held July 24–25, 2018, in Washington, D.C.
- Published “Lab and Reservoir Study of Produced Hydrocarbon Molecular Weight Selectivity During CO₂ Enhanced Oil Recovery” in *Energy & Fuels*. The final volume and issue numbers are not yet included. It can be cited using DOI: 10.1021/acs.energyfuels.8b01645.
- Continued revisions and internal reviews of draft GHGT-14 papers.
- Continued management of a planned special issue of *International Journal of Greenhouse Gas Control* (IJGGC). Continued revisions to papers based on peer review comments.
- Continued writing and internal review from all tasks of D62 – Final Report.
- Continued work on compilation and writing for a value-added document from the PCOR Partnership best practices manuals.
- 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).

- Continued planning for the 2018 PCOR Partnership Membership Meeting scheduled to be held September 18–19, 2018, in Washington, D.C., including the following:
 - Worked on updates to the meeting Web page.
 - Worked on a meeting activity.
 - Sent an e-mail blast on July 23, 2018, with registration and hotel information.
 - Held planning meetings on July 23 and 31, 2018. Topics discussed were agenda topics, speakers, panel participants and topics, pioneer awards, meeting materials, and meeting material shipment logistics.
 - Invited potential speakers and panelists. Received confirmation from two.
- Continued work on compiling information for sharing with Denbury. Created seismic amplitude raster data sets from the 2017 survey.
- Continued to evaluate data to determine appropriate content to upload into the U.S. Department of Energy (DOE) National Energy Technology Laboratory (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 evaluation of Phase II data.
 - Continued work on review of Phase III data for EDX.
- Held a task leader meeting July 20, 2018. The focus of discussion was activities leading to the close out of PCOR Partnership Phase III, including deliverables, journal articles, conference papers, best practice manuals, site closure, public Web site upgrade, data management and transfer, and the 2018 PCOR Partnership Membership Meeting.
- Completed reporting in July:
 - June monthly update
 - Task 13: D58/D59 – Quarterly Progress Report/Milestone Quarterly Report

Task 14 – Regional Carbon Sequestration Partnerships (RCSP) 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

- July 16–19, 2018: traveled to Pittsburgh, Pennsylvania, to present at the Workshop on Real-Time Decision-Making for the Subsurface.
- July 16–19, 2018: traveled to Bismarck, North Dakota, to attend the WBI Energy Customer Meeting.
- July 23–25, 2018: traveled to Washington, D.C., to attend the General Membership Meeting and Rollout Briefing for Carbon Utilization Research Council.

- July 26, 2018: traveled to Park River, North Dakota, to visit the Meadowlark Hydroponic Greenhouse.

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