

ATTACHMENT 15

AR # 169

E-mail re: Draft Trust Agreement

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McDonald, Jeffrey

From: Gilmore, Tyler J [Tyler.Gilmore@pnnl.gov]
nt: Thursday, February 20, 2014 10:02 AM
o: McDonald, Jeffrey; Bayer, MaryRose
Cc: Greenhagen, Andrew; Lucy Swartz
Subject: FW: Draft Trust Agreement
Attachments: CO2 Storage Trust Agreement (Alliance - USBank) 2-10-2014 Rev 5[1].pdf

A post script; Lucy wanted me to let you know that the only changes we made to the EPA's template are shown in red text, and we provided requested information on funding and the pay-in period in Schedules A, B, and C. Please see attached version with red font

Hope this helps.
Tyler

From: "Gilmore, Tyler J" <Tyler.Gilmore@pnnl.gov>
Date: Thursday, February 20, 2014 10:39 AM
To: Jeffrey McDonald <Mcdonald.Jeffrey@epamail.epa.gov>, "Bayer, MaryRose" <Bayer.MaryRose@epa.gov>
Cc: "Greenhagen, Andrew" <Greenhagen.Andrew@epa.gov>, Lucinda Low Swartz <LLS@LucindaLowSwartz.com>
Subject: Draft Trust Agreement

Jeff and Molly,
Attached is the draft Trust Agreement in support of the FutureGen permit application (IR13_02-10-2014). We are currently working on getting a draft of the insurance policy from our insurance broker and should have that to you soon.

Please call if you have any questions or would like a follow-on discussion.
Thanks
Tyler

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TRUST AGREEMENT

Trust Agreement (Agreement), entered into as of _____, 2014, by and between the FutureGen Industrial Alliance, Inc. (Alliance), a non-profit 501(c)(3) corporation organized under the laws of the State of Delaware, the Grantor, and U.S. Bank National Association, a national banking association, the Trustee.

Whereas, the United States Environmental Protection Agency (EPA), an agency of the United States Government, has established certain regulations applicable to the Grantor requiring that an owner or operator of an injection well shall provide assurance that funds will be available when needed for **corrective actions, injection well plugging, and post-injection site care and site closure of the FutureGen 2.0 Class VI (carbon dioxide [CO₂] geologic sequestration) injection wells,**

Whereas, the Grantor has elected to establish a trust to provide all or part of such financial assurance for the **facilities** identified herein,

Whereas, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this agreement, and the Trustee is willing to act as trustee,

Now, therefore, the Grantor and the Trustee agree as follows:

Section 1. Definitions as used in this Agreement:

- (A) The term "Grantor" means the owner or operator who enters into this Agreement and any successors or assigns of the Grantor.
- (B) The term "Trustee" means the Trustee who enters into this Agreement and any successor Trustee.
- (C) "Facility" or "activity" means any underground injection well or any other facility or activity that is subject to regulation under the Underground Injection Control Program.
- (D) Beneficiary (if any) means an entity other than EPA that has authority to direct the Trustee to make payments of Trust proceeds to contractors or other entities for corrective action, injection well plugging, **and** post-injection site care and site closure.
- (E) **EPA Underground Injection Control (UIC) Program Director means the EPA Regional Director for Region V or an authorized representative.**

Section 2. Identification of Facilities and Cost Estimates. This Agreement pertains to the facilities and cost estimates identified on attached Schedule A.

Section 3. Establishment of Fund. The Grantor and the Trustee hereby establish a CO₂ Storage Trust Fund (Fund) for the benefit of the **State of Illinois**. The Grantor and the Trustee acknowledge that the purpose of the Fund is to fulfill the Grantor's **corrective action, injection well plugging, and post-injection site care and site closure obligations described at 40 CFR §§ 146.84 (Area of review and corrective action), 146.92 (Injection well plugging), and 146.93 (Post-injection site care and site closure)**, respectively. All expenditures from the Fund shall be to fulfill the legal obligations of the Grantor under such regulations, and not any obligation of EPA. The Grantor and the Trustee intend that no independent third-party have access to the Fund except as herein provided. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in Schedule B attached hereto. Such property and any other property subsequently transferred to the Trustee is referred to as the Fund, together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, IN TRUST, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequacy of, nor any duty to collect from the Grantor, any payments necessary to discharge any responsibilities of the Grantor established by EPA regulations.

Section 4. Payment for **Corrective Action, Injection Well Plugging, and Post-Injection Site Care and Site Closure**. The Trustee shall make payments from the Fund as the UIC Program Director shall direct, in writing, to provide for the payment of the costs of **corrective actions, injection well plugging, and post-injection site care and site closure** of the injection wells covered by this Agreement. The Trustee shall use the Fund to reimburse the Grantor or other persons selected by the **Grantor** to perform work when the UIC Program Director advises in writing that the work will be or was necessary for the fulfillment of the Grantor's **corrective actions, injection well plugging, and post-injection site care and site closure** obligations described at 40 CFR 146.84, 146.92, and 146.93, respectively. The UIC Program Director may advise the Trustee that amounts in the Fund are no longer necessary to fulfill the Grantor's obligations under 40 CFR 146.85 and that the Trustee may refund the remaining funds to the Grantor. Upon refund, such funds shall no longer constitute part of the Fund as defined herein.

Section 5. Payments Comprising the Fund. Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee. **Schedule C provides the amounts and timing of the Alliance payments (i.e., the pay-in periods).**

Section 6. Trustee Management. The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject, however, to the provisions of this Section. In investing, reinvesting, exchanging, selling, and managing the Fund, the Trustee shall discharge **its** duties with respect to the trust fund solely in the interest of the beneficiary and with the care, skill, prudence, and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aims; *except that:*

- (A) Securities or other obligations of the Grantor, or any other owner or operator of the facilities, or any of their affiliates as defined in the

Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2.(a), shall not be acquired or held, unless they are securities or other obligations of the federal or a state government;

(B) The Trustee is authorized to invest the Fund in time or demand deposits of the Trustee, to the extent insured by an agency of the federal or state government; and

(C) The Trustee is authorized to hold cash awaiting investment or distribution un-invested for a reasonable time and without liability for the payment of interest thereon.

Section 7. Commingling and Investment. The Trustee is expressly authorized in its discretion:

(A) To transfer from time to time any or all of the assets of the Fund to any common, commingled, or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assets of other trusts participating therein; and

(B) To purchase shares in any investment company, except as specified in writing by the owner or operator, registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 *et seq.*, including one which may be created, managed, underwritten, or to which investment advice is rendered or the shares of which are sold by the Trustee. The Trustee may vote shares in its discretion.

Section 8. Express Powers of Trustee. Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:

(A) To sell, exchange, convey, transfer, or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expediency of any such sale or other disposition;

(B) To make, execute, acknowledge, and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;

(C) To register any securities held in the Fund in its own name or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with

certificates of the same issue held by the Trustee in other fiduciary capacities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so deposited, such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government, or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all such securities are part of the Fund;

(D) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the federal or state government; and

(E) To compromise or otherwise adjust all claims in favor of or against the Fund.

Section 9. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with the administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor, and all other proper charges and disbursements of the Trustee shall be paid from the Fund.

Section 10. Annual Valuation. The Trustee shall annually, at least 30 days prior to the anniversary date of establishment of the Fund, furnish to the Grantor and to the UIC Program Director a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the Fund. The failure of the Grantor to object in writing to the Trustee within 90 days after the statement has been furnished to the Grantor and the UIC Program Director shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

Section 11. Advice of Counsel. The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any question arising as to the construction of this Agreement of any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

Section 12. Trustee Compensation. The Trustee shall be entitled to reasonable compensation for its services as agreed upon in writing from time to time with the Grantor.

Section 13. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a

successor trustee and this successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer, and pay over to the successor trustee the funds and properties then constituting the Fund. If for any reason the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competent jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, the UIC Program Director, and the present Trustee by certified mail 10 days before such change becomes effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 9.

Section 14. Instructions to the Trustee. All orders, requests, and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in the attached Exhibit A or such other designees as the Grantor may designate by amendment to Exhibit A. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests, and instructions. All orders, requests, and instructions by the UIC Program Director to the Trustee shall be in writing, signed by the UIC Program Director, and the Trustee may rely on these instructions with to the extent permissible by law. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act on behalf of the Grantor or EPA or the **State of Illinois** hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests, and instructions from the Grantor and/or EPA, except as provided for herein.

Section 15. Notice of Nonpayment. The Trustee shall notify the Grantor and the **UIC Program Director**, by certified mail within 10 days following the expiration of the 30-day period after the anniversary of the establishment of the Trust, if no payment is received from the Grantor during that period. After the pay-in period is completed, the Trustee shall not be required to send a notice of nonpayment.

Section 16. Amendment of Agreement. This Agreement may be amended by an instrument in writing executed by the Grantor, the Trustee, with the concurrence of the UIC Program Director, or by the Trustee and the **UIC Program Director** if the Grantor ceases to exist. Provided, however, that EPA may not be named as a beneficiary of the Trust, receive funds from the Trust, or direct that Trust funds be paid to a particular entity selected by EPA.

Section 17. Cancellation, Irrevocability and Termination. Subject to the right of the parties to amend this Agreement as provided in Section 16, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee, with the concurrence of the UIC Program Director, or by the Trustee and the UIC Program Director if the Grantor ceases to exist. Upon termination of the Trust, all remaining trust property, less final trust administration expenses, shall be delivered to the Grantor.

Section 18. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act or omission, made in good faith, in the administration of this Trust, or in carrying out any directions by the Grantor issued in accordance with this Agreement.

The Trustee shall be indemnified and saved harmless by the Grantor or from the Trust Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the Grantor fails to provide such defense. EPA does not indemnify either the Grantor or the Trustee due to the restrictions imposed by the Anti-Deficiency Act, 31 U.S.C. 1341. Rather, any claims against EPA are subject to the Federal Tort Claims Act, 28 U.S.C. 2671, 2680.

Section 19. Choice of Law. This Agreement shall be administered, construed, and enforced according to the laws of the **State of Illinois** with regard to claims by the Grantor, Trustee, or Beneficiary (if any). Claims involving EPA are subject to federal law.

Section 20. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

In Witness Whereof the parties have caused this Agreement to be executed by their respective officers duly authorized and attested as of the date first above written.

Signature of Grantor's Authorized Representative: _____

Name of Grantor's Authorized Representative: Kenneth K. Humphreys, Jr.

Title: Chief Executive Officer

Attest:

Signature: _____

Name of Attester: _____

Title of Attester: _____

Signature of Trustee's Authorized Representative: _____

Name of Trustee's Authorized Representative: _____

Title: _____

Attest:

Signature: _____

Name of Attester: _____

Title of Attester: _____

Certification of Acknowledgement of Notary:

Schedule A: Facilities and Cost Estimates to Which the Trust Agreement Applies

Because the four injection wells covered by this Agreement will be similarly constructed and drilled from a single well pad, the CO₂ injected through the four wells will form one co-mingled CO₂ plume. Therefore, funds noted in the table below apply to all four injection wells as one integrated facility.

Facility	Corrective Action (\$ million)	Injection Well Plugging (\$ million)	Post-injection Site Care and Site Closure (\$ million)
EPA Identification Number [<i>to be assigned</i>]: Morgan County Class VI UIC Well #1 73 Central Park Plaza E Jacksonville, IL 62650	\$0.623	\$2.723	\$21.722
EPA Identification Number [<i>to be assigned</i>] Morgan County Class VI UIC Well #2 73 Central Park Plaza E Jacksonville, IL 62650			
EPA Identification Number [<i>to be assigned</i>] Morgan County Class VI UIC Well #3 73 Central Park Plaza E Jacksonville, IL 62650			
EPA Identification Number [<i>to be assigned</i>] Morgan County Class VI UIC Well #4 73 Central Park Plaza E Jacksonville, IL 62650			

Schedule B: Trust Fund Property

Because the four injection wells covered by this Agreement will be similarly constructed and drilled from a single well pad, the CO₂ injected through the four wells will form one co-mingled CO₂ plume. Therefore, funds noted in the table below apply to all four injection wells as one integrated facility.

Facility	Funding Value for Activities
EPA Identification Number [to be assigned]: Morgan County Class VI UIC Well #1 73 Central Park Plaza E Jacksonville, IL 62650	
EPA Identification Number [to be assigned] Morgan County Class VI UIC Well #2 73 Central Park Plaza E Jacksonville, IL 62650	
EPA Identification Number [to be assigned] Morgan County Class VI UIC Well #3 73 Central Park Plaza E Jacksonville, IL 62650	\$25,068,000.00
EPA Identification Number [to be assigned] Morgan County Class VI UIC Well #4 73 Central Park Plaza E Jacksonville, IL 62650	

Schedule C: Pay-in Periods

The CO₂ Trust Fund will be funded according to when the financial risks are incurred on the FutureGen 2.0 Project in three distinct activities:

- **Pre-Injection:** Once an injection or monitoring well is drilled, plugging costs will eventually need to be incurred. Therefore, the trust account will be funded with the cost of plugging injection and monitoring wells as soon as drilling the well begins. The Alliance's estimated cost of this activity is \$2.723 million.
- **Injection:** As soon as injection of CO₂ begins in the Class VI well(s), certain activities will necessarily need to occur (corrective action that is performed on a phased basis, post-injection site care and monitoring, and site closure). Therefore, the trust account should be funded with the costs associated with these activities. The Alliance's estimated cost of this activity is \$22.345 million.
- **Post-Injection:** While all costs must be covered at the start of the post-injection phase, the trust account may phase out these costs as the activities are completed (with approval from the UIC Program Director). For example, once wells have been plugged, their corresponding plugging costs may be subtracted from the total value of the trust account. Thus, no additional funds will be required for this activity.

Within seven calendar days after the issuance of final Class VI UIC permits for the Morgan County injection wells, the Alliance will ensure that \$2.723 million is in the CO₂ Trust Fund to cover the cost of plugging injection and monitoring wells in the Pre-Injection Period.

On or before the one-year anniversary of the issuance of the final Class VI UIC permits for the Morgan County injection wells, and at least seven calendar days prior to EPA authorization for the start of CO₂ injection in any of the wells (whichever is earlier), the Alliance will ensure that \$22.345 million is in the CO₂ Trust Fund to cover the costs of the Injection and Post-Injection Periods.

These amounts are based on the third-party cost estimate submitted by the Alliance in its *Supporting Documentation: Underground Injection Control Class VI Injection Well Permit Applications for FutureGen 2.0 Morgan County Wells 1, 2, 3, and 4*, dated March 2013 (Appendix C). These costs are subject to review and approval by EPA and may be adjusted for inflation in accordance with 40 CFR § 146.85(c)(2).

Table 1 shows the activities and estimated costs according to when the payments would be required (i.e., at the start of the “Pre-Injection” phase or at the start of the “Injection and Post-Injection Phase”).

Table 1: Payment Schedule

Funding	Activities	Costs (millions of dollars)	Total Value of Trust at the Start of Phase (millions of dollars)
Pre-Injection (<i>within 7 days of final permit issuance</i>)	Plugging Injection and Monitoring Wells	2.723	2.723
Injection and Post-Injection (<i>within 1 year of final permit issuance, or at least 7 days prior to injection, whichever comes first</i>)	AoR and Corrective Action	0.623	22.345
	Post-Injection Site Care (Includes Monitoring)	18.32	
	Closure	3.402	

Exhibit A FutureGen Industrial Alliance, Inc. Designee Authorized to Instruct Trustee

Kenneth K. Humphreys, Jr.
Chief Executive Officer
FutureGen Industrial Alliance, Inc.
73 Central Park Plaza East
Jacksonville, Illinois 62650
217/243-8215

The FutureGen Industrial Alliance, Inc., as Grantor, may designate other designees by amendment to this Exhibit.