



## **IEAGHG Information Paper: 2015-IP17; First reports released from UK FEED on Peterhead and White Rose Projects**

The UK government is committed to sharing the knowledge from UK CCS projects. Under the 2013/2014 Front End Engineering and Design (FEED) contracts, the Peterhead and White Rose CCS projects are required to deliver 90 reports (45 for each project). These Key Knowledge Deliverables from these FEED studies will cover many aspects of delivering a large scale commercial CCS project. This will include: commercial and financing arrangements; programme and risk management; consents and permitting; technical design, engineering and integration; health and safety; and lessons learnt. The first 15 of these 90 reports have been published on the DECC website in June, mostly from the Peterhead Project but also on the plans for oxy-combustion at White Rose. These provide a wealth of information especially on the subsurface aspects.

For members reference a list of the reports issued so far is given below:

### **Technical: Subsurface and Well Engineering:**

- Abandonment Concept for Injection Wells (Peterhead)
- Conceptual Completions & Well Intervention Design Report (Peterhead)
- Initial In-Place (IIP) Volumes Estimate Report (Peterhead)
- Petrophysical Modelling Report (Peterhead)
- Pressure, Volume and Temperature (PVT) Report (Peterhead)
- Seismic Interpretation Report (Peterhead)
- Well Functional Specification (WFS) Document (Peterhead)
- Well Operation Guidelines (Peterhead)
- Well Technical Specification (Peterhead)
- Peterhead: Introduction to the Subsurface and Well Engineering Key Knowledge Deliverables
- Static Model Reports (Peterhead)

### **Technical: Power and Capture:**

- Oxy Power Plant: White Rose

### **Technical: Full Chain:**

- Operation and Maintenance Philosophy (Peterhead)

### **Project Management and Lessons Learned:**

- Insurance Plan (Peterhead)

To access these reports, please go to <https://www.gov.uk/government/collections/carbon-capture-and-storage-knowledge-sharing>.

From the first competition's FEEDs (for Longannet and Kingsnorth projects) the UK Government published all the key reports and organized a two day event to publicize the work completed. John Gale, the IEAGHG General Manager, was invited by the UK Government to be the Chair of that event.

In addition, IEAGHG undertook an analysis of the FEED studies that were published which resulted in a report being produced: "UK FEED Studies 2011 – A Summary", IEAGHG 2013-12. The study was undertaken by IEAGHG staff directly and as a knowledge exercise proved valuable for both the staff concerned and IEAGHG and its Members as a whole. One of the key recommendations of the study was that IEAGHG should keep members informed of the knowledge outputs from the second



competition, which this IP now does. When all the reports are available IEAGHG will update this IP and discuss with members if a follow on study is warranted.

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