

MEMO TO THE FILE

From: Jeffrey R. McDonald

Date: August 26, 2014

Subject: Phone conversations with Battelle/PNNL and Cadmus regarding the FutureGen permit applications numerical modeling.

On July 30, 2014, I spoke with Signe White of PNNL about how the models that were run for FutureGen were presented. We had received some comments that suggest that only 99% of the CO₂ was modeled and only the scCO₂ at that. Signe (and later Inci Demirkanli at The Cadmus Group that day) confirmed that all of the CO₂ was modeled; the supercritical CO₂ (scCO₂) and the dissolved phase CO₂. The way that the info was presented appears to show a portion of the CO₂, but the model considered 100% of it. EPA guidance suggests depicting the separate phase (not the dissolved) CO₂ and this was done.

Jeffrey R. McDonald, Geologist
Underground Injection Control Branch
U.S. EPA - Region 5