

Preliminary Study CO₂ Transport – Pipeline transport of CO₂ between Power Plant Schwarze Pumpe and Aquifer Schweinrich

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Abstract

Assessing the subject of the analysis is a virtual transport pipeline for CO₂ between the power plant location Schwarze Pumpe in the southeast of the State of Brandenburg and the aquifer structure Schweinrich in the northwest.

Two route options are being planned. The selected preferred route runs to the east of Berlin and exhibits a length of 320 km.

Exhibiting an initial pressure of 110 bar, the plan provides for the CO₂ being transported in a highly dense condition. The capacity of the pipeline amounts to 10 Mt/a. To that end, the pipeline must exhibit a nominal diameter ND 800.

The approval of such a pipeline requires a regional planning procedure, a plan determination procedure, an environmental impact assessment, and the acquisition of title for the safety in re.