

# IEPA RELEASES NEW DRAFT TENASKA PERMIT

Illinois EPA has released a new draft air pollution permit for the Taylorville Energy Center. According to IEPA's analysis:

## TENASKA WILL EMIT OVER 10 BILLION POUNDS OF POLLUTION PER YEAR...

Here are IEPA's estimates of the potential pollution from Tenaska:

Pollutant	Potential Emissions (Tons Per Year)
Carbon Monoxide (CO)	1,249
Sulfur Dioxide (SO <sub>2</sub> )	697
Nitrogen Oxides (NO <sub>x</sub> )	228
Particulate Matter (PM/PM <sub>10</sub> /PM <sub>2.5</sub> )	239/156/111
Volatile Organic Material (VOM)	90.2
Hydrogen Sulfide (H <sub>2</sub> S)	8.78
Sulfuric Acid Mist	5.18
Lead, as elemental lead	0.219
Fluorides, as hydrogen fluoride	0.209
Mercury	0.103
Individual HAP (formaldehyde)	5.07
Total HAPs	19.2
Carbon dioxide equivalents (CO <sub>2</sub> e),	10,060,000,000 pounds per year

## ...AND THE POLLUTION CONTROLS "ARE NOT COMMERCIALY AVAILABLE"

p. 6-6 – "the sequestration component of a CCS system is **not commercially available** as BACT at present for reducing CO<sub>2</sub> emissions from the AGR vent."

p. 6-6 – "CCG **cannot commit to reducing CO<sub>2</sub> emissions** from the AGR vent using EOR since no CO<sub>2</sub> pipeline exists today and it has no control over CO<sub>2</sub> capture projects in Illinois or adjacent states."

p. 6-9 – "Although a preliminary technical hurdle to implementing CO<sub>2</sub> sequestration in the Mt. Simon formation has been cleared, **many other regulatory and liability issues associated with the long term impacts of sequestration and the potential for an accidental release of the CO<sub>2</sub> must be evaluated before this option can move forward.**"

p. 6-9, footnote 22 – "**CCG has no certainty** about whether or not an AGR vent CO<sub>2</sub> BACT limit based on the use of CCS could be complied with when the TEC becomes operational, so accepting such a limit which carries with it strict penalties up to and including a mandatory facility shutdown is no possible at this time."

*Source: Tenaska GHG BACT Analysis*

p. 5 – "**The CO<sub>2</sub> stream would not be sequestered when the plant begins operation** since the necessary prerequisites for sequestration would not be present."

p. 31 – "Denbury Resources has indicated that the development of this pipeline, which may make carbon sequestration feasible at some time during the lifetime of the proposed plant, is contingent on the presence of at least one other nearby, large industrial source that would supply CO<sub>2</sub> to the pipeline."

*Illinois EPA Project Summary – October 17, 2011*

Source: <http://www.epa.state.il.us/public-notices/general-notices.html#christian-county-generation>

## TENASKA – TOO MUCH POLLUTION, TOO EXPENSIVE, TOO RISKY

Environment Illinois \* Sierra Club, Illinois Chapter \* Natural Resources Defense Council