

PUBLIC NOTICE

ExxonMobil Chemical Company,
Baytown Olefins Plant, Ethylene Unit Addition
(PSD-TX-102982-GHG)

ANNOUNCEMENT OF PUBLIC NOTICE ON THE RESCISSION OF A CLEAN AIR ACT
GREENHOUSE GAS PREVENTION OF SIGNIFICANT DETERIORATION PRECONSTRUCTION
PERMIT

Public Notice Period March 15, 2016 – May 16, 2016

The United States Environmental Protection Agency (EPA) is providing notice of its decision to rescind the Prevention of Significant Deterioration (PSD) permit for Greenhouse Gases (GHG) issued to ExxonMobil Chemical Company, (ExxonMobil), for its Baytown Olefins Plant, Ethylene Unit Addition Project on November 25, 2013. The Baytown Olefins Plant is located at 3525 Decker Drive, Baytown, TX 77522. The purpose of the project was to construct a new ethylene production unit consisting of eight ethylene cracking furnaces and recovery equipment to produce polymer grade ethylene. EPA Region 6 issued the GHG PSD permit based on the applicability provisions described, at the time of permit issuance, at 40 CFR § 52.21(b)(49)(v)(b). In *Utility Air Regulatory Group (UARG) v. Environmental Protection Agency*, 134 S. Ct. 2427 (2014), the Supreme Court held that EPA may not treat GHGs alone as an air pollutant for purposes of determining whether a source is a major source required to obtain a PSD or title V permit and thus invalidated regulations implementing that approach. On July 6, 2015, EPA finalized a rule to implement the Supreme Court's decision that allows EPA to issue permit rescissions of GHG PSD permits issued to those sources who were treated as major sources simply due to their GHG emissions. EPA is issuing notice of the GHG PSD permit rescission in accordance with the permit rescission regulations at 40 CFR § 52.21(w)(2).

ExxonMobil has demonstrated that, at the time of permit issuance, the modification at the existing major source did not result in a significant increase in emissions of any regulated New Source Review (NSR) pollutant other than GHGs. The Texas Commission on Environmental Quality (TCEQ), as the current permitting authority for non-GHG and GHG pollutants, issued a Plantwide Applicability Limit (Permit No. PAL6) for Volatile Organic Compounds (VOC), Nitrogen Oxides (NO_x), Particulate Matter (PM), Sulfur Dioxide (SO₂), Carbon Monoxide (CO) and Sulfuric Acid (H₂SO₄) in an amendment to Flexible Permit No. 3452, issued on August 24, 2005. The permit special conditions and the maximum allowable emission rate table (MAERT) associated with the TCEQ minor NSR permit (Permit No. 102982) demonstrate that the project has been reviewed for the maintenance of the National Ambient Air Quality Standards (NAAQS), federal, state and local requirements, and the non-GHG emission levels associated with the project did not change the existing PAL permit. The proposed allowable emission rates established in the TCEQ permits PAL6 and TCEQ permit No. 102982 are as follows: PM = 90.54 TPY; PM₁₀ = 78.58 TPY; PM_{2.5} = 73.45 TPY; VOC = 224.14 TPY; NO_x = 235.59 TPY; CO = 931.16 TPY; SO₂ = 22.47 TPY; H₂SO₄ = 0.39 TPY; and NH₃ = 82.77 TPY, which will be managed below the corresponding PALs along with all other covered emissions at the plant. ExxonMobil has also asserted to EPA that the EPA-issued GHG PSD permit is not used, or planned to be used, for any other regulatory or compliance purpose. Based on EPA's review of the information provided to EPA,

ExxonMobil has provided sufficient information to support the required rescission elements outlined in 40 CFR § 52.21(w)(2).

Rescission Documents: All documents associated with the rescission of this GHG PSD permit including ExxonMobil's rescission request and technical supporting information are part of the administrative record. The public can access key portions of the administrative record at EPA's website: <http://www.epa.gov/caa-permitting/ghg-psd-permitting-epas-south-central-region>

Hard copies of the full administrative record for this action may also be viewed in person (please call at least 24-hours in advance for available viewing times) at the EPA Region 6 address below.

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Final Determination: Based on the information provided to EPA Region 6, ExxonMobil has provided sufficient information to support the required rescission elements outlined in 40 CFR § 52.21(w)(2). With the publication of this notice, this GHG PSD permit rescission for PSD-TX-102982-GHG becomes effective 60 days after publication.