

Technical Announcement

U. S. Department of the Interior
Bureau of Ocean Energy
Management, Regulation and Enforcement
Gulf of Mexico OCS Region

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Year 2008 Gulfwide Emissions Inventory Study

[OCS Study BOEMRE 2010-045](#)

The Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE), Gulf of Mexico OCS Region, announces the availability of a new study report, *Year 2008 Gulfwide Emissions Inventory Study*.

The *Year 2008 Gulfwide Emission Inventory Study* includes all Outer Continental Shelf (OCS) oil and gas production platforms and nonplatform sources in the Central and Western Planning Areas of the Gulf of Mexico (GOM). Pollutants covered in the inventory are the criteria pollutants, as well as greenhouse gases. The BOEMRE collected activity data from every major active offshore oil production platform in the Gulf of Mexico on the OCS; operators were also required to identify minor sources such as caissons and wellhead protectors. Operators were provided with the Gulfwide Offshore Activities Data System (GOADS) Visual Basic activity data collection software for compiling monthly data for calendar year 2008. Data were submitted for a total of 3,026 active oil and gas production platforms; 1,538 of these were flagged as minor sources. Rigorous quality assurance/quality control activities were performed on the activity data collected from platform operators. The monthly activity data collected from the platform operators were used to calculate the platform production equipment emission estimates. Nonplatform sources were also included in the inventory, such as pipelaying vessels, drilling vessels, and support helicopters and vessels. Base year 2008 activity data for nonplatform sources were collected and combined with emission factors to develop emission estimates for nonplatform sources on the GOM OCS. Inventory data files were compiled with the oil and gas production platform data suitable for use in air quality modeling applications. In addition to monthly emission estimates by pollutant and individual piece of equipment, the files include the company, structure, and complex ID, lease number, block and area number, and latitude/longitude. For each piece of equipment, stack parameter information such as outlet height, exit velocity, and exit temperature is also presented. Nonplatform emission estimates were allocated using Geographic Information System software to lease blocks and areas, and inventory data files were compiled with the nonplatform data, suitable for use in air quality modeling applications. The report describes the methodologies used in collecting and compiling the inventory into a database. The database is available upon request for use in air quality modeling efforts.

This report is available only in compact disc format from the Bureau of Ocean Energy Management, Regulation and Enforcement, Gulf of Mexico OCS Region, at a charge of \$15.00, by referencing OCS Study BOEMRE 2010-045. The report may be downloaded from the BOEMRE website through the [Environmental Studies Program Information System \(ESPIS\)](#). You will be able to obtain this report also from the National Technical Information Service in the near future. Here are the addresses. You may also inspect copies at selected Federal Depository Libraries.

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