



U. S. Department of the Interior
Bureau of Ocean Energy Management
Gulf of Mexico OCS Region

Technical Announcement

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Year 2011 Gulfwide Emissions Inventory Study

[OCS Study BOEM 2014-666](#)

The Bureau of Ocean Energy Management (BOEM), Gulf of Mexico Outer Continental Shelf (OCS), announces the availability of a new study report, the *Year 2011 Gulfwide Emissions Inventory Study*. It includes all OCS oil and gas production platforms and non-platform sources in the Central and Western Planning Areas of the Gulf of Mexico. Pollutants covered in the inventory are the criteria pollutants, as well as greenhouse gases. BOEM attempted to collect 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 2011. A total of 2,544 oil and gas production platforms submitted monthly equipment activity data files. 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 combined with emission factors and algorithms to develop the platform production equipment emission estimates. 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 pieces 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.

Non-platform sources were also included in the inventory, such as pipe-laying vessels, drilling vessels, and support helicopters and vessels. Calendar year 2011 activity data for non-platform sources were collected and combined with emission factors to develop emission estimates for non-platform sources in the Gulf of Mexico on the OCS. Non-platform emission estimates were allocated using location data provided by the BOEM, the National Marine Fisheries Service, and Automatic Identification Systems (AIS) datasets applied to Geographic Information System (GIS) shapefiles of lease blocks and areas. Inventory data files were compiled with the non-platform data in a format 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 on CD from the Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, for \$15.00, and free of charge as a pdf file downloaded from the BOEM Website. Copies can also be viewed at selected Federal Depository Libraries. The addresses are listed below.

To order a CD, use the Gulf of Mexico OCS Region contact information below and reference OCS Study BOEM 2014-666. To download a pdf copy, use the [Environmental Studies Program Information System](#) (ESPIS) and search on the study report number. In the near future, you will also be able to get this report also from the National Technical Information Service.

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