

Barnett Shale Area Special Inventory, Phase One

The TCEQ's Emissions Assessment Section (EAS) conducted a special inventory under the authority of 30 Texas Administrative Code §101.10 (b)(3) to determine the location, number, and type of emissions sources located at upstream and midstream oil and gas operations associated with the Barnett Shale formation.

As of June 16, 2010, the TCEQ has received special inventory data from companies that account for more than 99 percent of the 2009 production in the Barnett Shale formation. Specifically, data for 9,123 upstream leases/facilities and 519 midstream sites/facilities has been received. It should be noted that midstream sites/facilities process or transport gas from formations other than the Barnett Shale formation.

Operations were reported in all 23 counties that comprise the Barnett Shale area. County-level summary data is available here: [Barnett Shale Phase One Results \(Excel\)](#) (updated 03/30/2011).

For more detailed inventory information, or for questions concerning this data, please contact Danielle Nesvacil, bshaleei@tceq.texas.gov, (512) 239-2102

Phase One Inventory Forms

- [Upstream Inventory Form \(Excel\)](#)
- [Midstream Inventory Form \(Excel\)](#)

Phase One Maps

Barnett Shale Special Inventory Phase One maps were developed using reported location data from upstream and midstream oil and gas sites.

These maps are in Portable Document Format (PDF). (Help with [PDF](#).)

- [Sites in the 23-county Barnett Shale area](#)
- [Dallas county sites](#)
- [Denton county sites](#)
- [Johnson county sites](#)
- [Parker county sites](#)
- [Tarrant county sites](#)

Barnett Shale Area Special Inventory, Phase Two

The Texas Commission on Environmental Quality (TCEQ) requested that companies, including any affiliated subsidiaries that own and/or operate leases and/or facilities associated with Barnett Shale oil and gas production, transmission, processing, and related activities provide air emissions data and related information for calendar year 2009.

The completed and certified inventory data was due to the TCEQ by January 14, 2011. Detailed information about this inventory and the information it requested can be found in the sample letter and enclosure link below.

Note: The TCEQ conducted this special inventory under the authority of 30 Texas Administrative Code §101.10(b)(3). If the TCEQ has initiated a formal written request for this information, owners or operators are required to complete and submit this special inventory by the required date.

- [List of Inventory Counties \(PDF\)](#)
- [Sample Letter \(PDF\)](#)
- [Letter Enclosure \(PDF\)](#)
- [Barnett Shale Special Inventory, Phase Two Workbook \(Excel\)](#) Updated September 23, 2010. (Please enable Macros when opening the workbook.)

The inventory collected information on:

- equipment and production information for emission sources associated with Barnett Shale oil and gas production, transmission, processing and related activities;
- air emissions authorizations for these sources;
- coordinates of sources located within one-quarter mile of the nearest receptor; and
- annual 2009 emissions for nitrogen oxides, volatile organic compounds, and hazardous air pollutants.

Results

Barnett Shale Special Inventory, Phase Two summary-level data is now available (updated September 27, 2011):

- [Summary Data Information \(PDF\)](#)
- [County-level Emissions Summary \(Excel\)](#)

Please contact Danielle Nesvacil at (512) 239-2102 or bshaleei@tceq.texas.gov to request more detailed inventory data.

Need Help?

- An outreach event was held at the Round Up Inn in the Amon G. Carter Jr. Exhibits Building at the Will Rogers Memorial Center in Fort Worth, Texas, on October 12, 2010. Download the [Phase II Workbook Overview presentation \(.PDF\)](#).
- An emissions calculator was developed to provide assistance in calculating the air emissions for most sources. The use of this calculator was not required. [Barnett Shale Phase Two Emission Calculator \(Excel\)](#) (Updated October 14, 2010) Please enable Macros when opening the workbook.
- [Emissions inventory slide show \(PDF\)](#) from the Barnett Shale Open House held on Saturday, October 16th, 2010. The slide show contains emissions inventory information on recent research, projects, activities, and improvements to the oil and gas inventory; and both phase one and two of The Barnett Shale Special Inventory.
- [Determining Emissions from Produced Water Storage Tanks \(PDF\)](#) provides additional instructions for determining air emissions from produced water storage tanks for the Barnett Shale Special Inventory.

Still need help?

Answers to many common questions can be found within the document [Frequently Asked Questions \(PDF\)](#) (Updated November 10, 2010)

For more detailed inventory information, or for questions concerning this data, please contact:

- Danielle Nesvacil, bshaleei@tceq.texas.gov (512) 239-2102
- Emissions Inventory Help Line, (512) 239-1773