

The department has completed the first phase of a CALPUFF model screening analysis to determine the BART-eligible facilities' impact on the nearest Class 1 areas. The emissions data used in the analysis was based upon 24 hour maximum NO_x, SO₂, and PM emissions submitted to the department in previous BART surveys. For this phase, the Class 1 areas of interest were Caney Creek in Arkansas and the Breton Wilderness Area. The CALPUFF model is an EPA approved computer model capable of determining visibility impairment at receptors. The facilities in the table below could not reasonably be eliminated from BART consideration and were sent letters indicating that these facilities should perform detailed CALPUFF modeling to evaluate if they impact Breton or Caney Creek by at least 0.5 deciviews or more.

Company Name	Source Name	AI Number
Graphic Packaging International	West Monroe Mill	1432
ConocoPhillips Co.	Alliance Refinery	2418
Marathon Petroleum Company, LLC	Garyville Refinery	3165
PCS Nitrogen	Geismar Plant	3732
Mosaic Fertilizer LLC	Uncle Sam Plant	2532
Degussa Engineered Carbons LP	Ivanhoe Carbon Black Plant	2518
Temple Inland	Bogalusa Mill	38936
Rhodia, Inc	Baton Rouge Facility	1314
E.I. du Pont de Nemours & Co., Inc.	Burnside Plant	67572
Sid Richardson Carbon Company	Addis Plant	4174
Louisiana Generating LLC	Big Cajun 2 Power Plant	38867
Murphy Oil USA, Inc.	Meraux Refinery	1238
Entergy New Orleans	Michoud	32494
Lyondell Chemical Company	Lake Charles Plant	27051
Chalmette Refining , L.L.C.	Chalmette Refinery	1376
Valero Refining-New Orleans, LLC	St Charles Refinery	26003
Motiva Enterprises LLC	Norco Refinery	1406
Shell Chemical LP	Norco Chemical Plant – East Site	26336
Union Carbide Corp.	Taft/Star Manufacturing Complex	2083
Gramercy Alumina	Gramercy Alumina	1388

Mosaic Fertilizer LLC	Faustina Plant	2425
CF Industries	CF Industries Donaldsonville	2416
Entergy Gulf States	Willow Glen	2625
ExxonMobil Refining & Supply Co.	ExxonMobil Baton Rouge Refinery	2638
ExxonMobil	Baton Rouge Chemical Plant	286
Placid Refining Company, L.L.C.	Port Allen Refinery	2366
Exide Technologies	Baton Rouge Smelter	1396
Georgia Pacific	Port Hudson Operations	2617

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