

ENGINEERING ANALYSIS
 RMG ANNISTON, LLC
 ANNISTON, CALHOUN COUNTY, ALABAMA
 FACILITY No.: 301-0041

Project Description

On June 29, 2021, RMG Anniston, LLC (RMG) requested to modify its existing Synthetic Minor Operating Permits to include operational hour limits for Permit Nos. 301-0041-X002, X003, X004, X006, X010, X011, X012, X013, X014, X017, X018, and X020. The Department determined that RMG had the potential to exceed the Major Source threshold of 100 tons per year (TPY) for particulate matter (PM) based on the PM limits currently in the permits. RMG requested hours of operation limits of 6,900 hours in any consecutive 12-month period for each permitted unit in order to stay below the Major Source threshold and become a Synthetic Minor Source. RMG is a grey iron foundry that operates in Anniston, Alabama.

Emissions

The potential particulate matter emissions are based on the existing PM limits in the permits and the new operational hour limits:

Permit No.	Emission Factor lb/ton	Particulate Matter Emissions TPY*
X002	1.9	6.56
X003	5.9	20.36
X004	4.4	15.18
X006	0	0
X010	0	0
X011	0	0
X012	8.94	30.84
X013	0	0
X014	0	0
X017	0	0
X018	4.3	14.84
X020	1	3.45
Total		91.22

Table 1. *Based on 6,900 hours of operation limit.

Recommendation

Based on the above analysis, the facility should be able to comply with all the state and federal regulations. I recommend, pending a public comment period, RMG Anniston, LLC be issued Synthetic Minor Operating Permits No. 301-0041-X002, X003, X004, X006, X010, X011, X012, X013, X014, X017, X018, and X020.

Douglas Curtis
 Industrial Minerals Section
 Energy Branch
 Air Division

Date