

502(b)(10) Permit for Part 70 Source

Permit Attachment No.: 3255-261-0047-V-04-5 Effective Date: August 17, 2005

Facility Name: **C-E Minerals Plant 2**
Highway 195
Andersonville, Georgia 31711, Sumter County

Mailing Address: P. O. Box 37
Andersonville, Georgia 31711

Parent/Holding Company: Imerys

Facility AIRS Number: 04-13-261-00047

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to or in effect under the Act, the Permittee described above is issued a SIP Construction and Operating Permit for:

The modification of 502(b)(10) Condition Nos. 3.2.8 and 6.1.8 and removal of 502(b)(10) Condition No. 7.14.2.

This modification qualifies as a Section 502(b)(10) change to the Part 70 source in accordance with Georgia Air Quality Control Rule 391-3-1-.03(10)(b)(5).

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted or in effect under that Act, or any other condition of this Permit and Permit No. 3255-261-0047-V-04-0. Unless modified or revoked, this Permit expires upon issuance of the next Part 70 Permit for this source.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in Application No. TV-16066 dated February 21, 2005; any other applications upon which this Permit or Permit No. 3255-261-0047-V-04-0 are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached 5 page(s), which pages are a part of this Permit, and which hereby become part of Permit No. 3255-261-0047-V-04-0.

Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION1
1.3 Process Description of Modification..... 1
PART 3.0 REQUIREMENTS FOR EMISSION UNITS2
3.2 Equipment Emission Caps and Operating Limits2
PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS3
6.1 General Record Keeping and Reporting Requirements3
PART 7.0 OTHER SPECIFIC REQUIREMENTS.....5
7.14 Specific Conditions Associated with this Modification.....5

PART 1.0 FACILITY DESCRIPTION**1.3 Process Description of Modification**

Permit No. 3255-261-0047-V-04-3 was issued for the use of silane solution in the Lancaster mixer (Emission Unit ID No. A1M) and the new Rollo-Mixer (Emission Unit ID No. B2). Application No. TV-15414 requested a Hazardous Air Pollutant (HAP) limitation for Emission Unit ID Nos. A1M and B2 of 10 tpy for any individual HAP and 25 tpy for combined HAP in order to avoid a case-by-case MACT review per Section 112(g)(2)(B) of the CAA as implemented by 40 CFR 63.40 through 63.44. Condition No. 3.2.8 of Permit No. 3255-261-0047-V-04-3, issued January 19, 2005, limits facility-wide HAP emissions from the entire Part 70 source (including Plants 1, 2, and 6) to below 10 tpy of any individual HAP and 25 tpy of combined HAP. Condition No. 6.1.8.b.i and ii specifies the exceedance thresholds for this facility-wide HAP limitation. The facility is currently emitting greater than 10 tpy of an individual HAP, therefore, this limit needs to be removed. Accordingly, the facility has filed application No. 16066 to modify Condition No. 3.2.8 from a facility-wide HAP limitation to a HAP limitation on Emission Units associated with the silane project. Condition No. 7.14.2 specifies that the Division has the right to amend Permit No. 3255-261-0047-V-04-3 based upon comments received prior to February 11, 2005. This condition is no longer needed and will be removed.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

3.1 Emission Units**3.1.1 Additional Emission Units**

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
BD09	Rotary Dryer	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(p)	3.2.8, 3.4.1, 3.4.2, 3.4.3, 6.1.8, 6.2.9	BD3	Baghouse
B2	Rollo-Mixer	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 40 CFR 63 Subpart OOO	3.2.7, 3.2.8, 3.3.1, 3.4.1, 3.4.2, 5.2.12, 5.2.13, 5.2.14, 5.3.2, 6.1.8, 6.2.10, 6.2.11, 6.2.12, 6.2.13, 6.2.14, 6.2.15	DCB2	Dust Collector
BC14	Crusher	391-3-1-.02(2)(b) 391-3-1-.02(2)(p) 40 CFR 63 Subpart OOO	3.2.8, 3.3.1, 3.4.1, 3.4.2, 6.1.8	B6	Baghouse (vents inside building)
A1M	Lancaster Mixer	391-3-1-.02(2)(b) 391-3-1-.02(2)(p)	3.2.7, 3.2.8, 3.4.1, 3.4.2, 6.1.8, 6.2.10, 6.2.11, 6.2.12, 6.2.13, 6.2.14, 6.2.15	A9	Baghouse (vents inside of building)

* Generally applicable requirements contained in this permit may also apply to emission units listed above.

3.2 Equipment Emission Caps and Operating Limits**Revised Condition**

3.2.8 The Permittee shall not discharge or cause the discharge into the atmosphere from the emission units listed in Table 3.1.1 (Emission Unit ID Nos. BD09, B2, BC14, and A1M) any single hazardous air pollutant in amounts equal to or exceeding 10 tons (or any lesser quantity for a single hazardous air pollutant that the U.S. EPA may establish by rule) during any twelve consecutive months, or any combination of such listed pollutants in amounts equal to or exceeding 25 tons during any twelve consecutive month period.
[Avoidance of Section 112(g)(2)(B) Review]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS**6.1 General Record Keeping and Reporting Requirements****Revised Condition**

6.1.8 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:

[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

- a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

- b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)
- i. Any period of 12 consecutive months during which the total emissions of any single HAP from the emission units listed in Table 3.1.1 (Emission Unit ID Nos. BD09, B2, BC14, and A1M) are equal to or exceed 10 tons (or any lesser quantity for a single hazardous air pollutant that the U.S. EPA may establish by rule);
 - ii. Any period of 12 consecutive months during which the combined emissions of all HAP compounds from the emission units listed in Table 3.1.1 (Emission Unit ID Nos. BD09, B2, BC14, and A1M) are equal to or exceed 25 tons;
 - iii. Any period of 12 consecutive months during which the total VOC emissions from the silane process associated with emission units listed in table 3.1.1 are equal to or exceed 39 tons.
 - iv. Any use of fuel other than propane, natural gas, or No. 2 fuel oil in Rotary Dryer BD09 (Emission Unit ID No. BD09).
- c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)
- i. Any two consecutive required daily determinations of visible emissions requiring action by Condition 5.2.13 a. or b. from the same source.

502(b)(10) PERMIT FOR PART 70 SOURCE

- d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:
 - i. A report, prepared from the records required by Condition 6.2.12 and 6.2.14 for the VOC and HAPs emissions. The report shall consist of six 12-consecutive month totals (a total for each month in the semiannual reporting period) of the VOC and HAPs emissions. A 12-consecutive month total shall be defined as the sum of the VOC and HAPs emissions for a month plus the total VOC and HAPs emissions for the previous 11 consecutive months.

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.14 Specific Conditions Associated with this Modification

7.14.2 Deleted