

Statement of Basis For Title V Permit

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|---|---|--|
| Company Name | Stark Ceramics | |
| Premise Number | 15 76 06 0004 | |
| Number of Non-insignificant Emissions Units | Three (3) | |
| What makes this facility a Title V facility? | The potential to emit for sulfur dioxide exceeds the 100 tpy Title V applicability threshold. | |
| Has each insignificant emissions unit been reviewed to confirm it meets the definition in 3745-77-01 (U)? | Yes | |

| Part II (State and Federally Enforceable Requirements) | | | |
|---|-----------------|-------|----------|
| Term and Condition (paragraph) | Basis | | Comments |
| | SIP (3745-) | Other | |
| N/A | | | |
| | | | |
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Part III (Requirements Within the State & Federally Enforceable Section)

| EU(s) | Limitation | Basis | | OR | M | R | Rp | ET | Misc | Comments |
|-------|--|-----------------|-------|----|---|---|----|----|------|---|
| | | SIP (3745-) | Other | | | | | | | |
| P003 | 20% opacity, 6-minute average (stack) | 17-07(A)(1) | N | N | Y | Y | Y | Y | N | OR, Misc. - none needed. |
| | 20% opacity, 3-minute average (fugitive) | 17-07(B)(1) | N | N | N | N | N | Y | N | OR, M, R, Rp, Misc. - none needed, emissions unit has good capture. |
| | 53.95 lbs PM/hr | 17-11 | N | Y | Y | Y | Y | Y | N | OR - restriction on process weight rate. Misc. - none needed. |
| P004 | 20% opacity, 6-minute average (stack) | 17-07(A)(1) | N | N | Y | Y | Y | Y | N | OR, Misc. - none needed. |
| | 20% opacity, 3-minute average (fugitive) | 17-07(B)(1) | N | N | N | N | N | Y | N | OR, M, R, Rp, Misc. - none needed, emissions unit has good capture. |
| | 43.6 lbs PM/hr | 17-11 | N | Y | Y | Y | Y | Y | N | OR - restriction on process weight rate. Misc. - none needed. |
| P005 | 20% opacity, 6-minute average (stack) | 17-07(A)(1) | N | Y | Y | Y | Y | Y | N | OR - burn only natural gas. Misc. - none needed. |
| | 12 lbs PM/hr | 17-11 | N | Y | N | Y | Y | Y | N | OR - restriction on process weight rate. M - will maintain records of process weight rate. Misc. - none needed. |
| | 58.8 lbs SO2/hr | 18-06(E)(1) | N | Y | Y | Y | Y | Y | N | OR - restriction on sulfur in clay/shale mix. Misc. - none needed. |

EU = emissions unit id
OR = operational restriction
M = monitoring requirements
R = recordkeeping requirements
Rp = reporting requirements
ET = emission testing requirements (not including compliance method terms)
Misc = miscellaneous requirements

Miscellaneous Comments

For emissions unit P003:

Stark Ceramics is located in an Appendix "A" area as listed in OAC Rule 3745-17-08. Emissions unit P003 was installed in 1967. The control equipment was also installed in 1967. Consequently, since this emissions unit had both stack and fugitive emissions prior to 1972, the stack emissions are subject to OAC Rule 3745-17-11 and the fugitive emissions are subject to the general requirements of OAC Rule 3745-17-08(B).

The allowable mass rate of emissions for this emissions unit is based upon the allowable under OAC Rule 3745-17-11 using Table 1. The stack emissions are also subject to the visible emissions requirement of OAC Rule 3745-17-07(A)(1).

The remaining fugitive emissions are subject to the general requirements of OAC Rule 3745-17-08 (RACM) which requires that visible emissions of fugitive dust be minimized to the extent possible. Compliance with the RACM requirements will be determined by a demonstration of compliance with the allowable visible emissions limitation from OAC Rule 3745-17-07(B)(1). The points of observation for determining compliance with this rule shall be at each non-stack egress point (e.g. doors, windows, and roof monitors).

For emissions unit P004:

Emissions unit P004 was installed in approximately 1920. The control equipment was installed in 1971. Consequently, since this emissions unit had both stack and fugitive emissions prior to 1972, the stack emissions are subject to OAC Rule 3745-17-11 and the fugitive emissions are subject to the general requirements of OAC Rule 3745-17-08.

The allowable mass rate of emissions for this emissions unit is based upon the allowable under OAC Rule 3745-17-11 using Table 1. The stack emissions are also subject to the visible emissions requirement of OAC Rule 3745-17-07(A)(1).

The remaining fugitive emissions are subject to the general requirements of OAC Rule 3745-17-08 (RACM) which requires that visible emissions of fugitive dust be minimized to the extent possible. Compliance with the RACM requirements will be determined by a demonstration of compliance with the allowable visible emissions limitation from OAC Rule 3745-17-07(B)(1). The points of observation for determining compliance with this rule shall be at each non-stack egress point (e.g. doors, windows, and roof monitors).

For emissions unit P005:

This emissions unit was installed in 1966 and has only stack emissions. Since this unit was installed prior to 1972 with only stack emissions, the requirements of OAC Rule 3745-17-11 apply not OAC Rule 3745-17-08.