

LICENSE REQUIREMENTS FOR STACK TESTING

*Air*

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
4	Discharge to air; Air emissions monitoring	Discharge to air; Air emissions monitoring	Stack for Kiln Number 1 on Plant 1 - MGA coordinates advised by licensee in correspondence to EPA dated 13 March 2020 (DOC20/294924).
5	Discharge to air; Air emissions monitoring	Discharge to air; Air emissions monitoring	Stack for Kiln Number 5 at Plant 2 - MGA coordinates advised by licensee in correspondence to EPA dated 13 March 2020 (DOC20/294924).
6	Discharge to air; Air emissions monitoring	Discharge to air; Air emissions monitoring	Stack for Kiln number 6 on Plant 3 known as Swindell kiln - MGA coordinates advised by licensee in correspondence to EPA dated 13 March 2020 (DOC20/294924).
7	Discharge to air; Air emissions monitoring	Discharge to air; Air emissions monitoring	Stack for Kiln number 7 on Plant 3 known as Ceric kiln - MGA coordinates advised by licensee in correspondence to EPA dated 13 March 2020 (DOC20/294924).

## M2.2 Air Monitoring Requirements

### POINT 4,7

Pollutant	Units of measure	Frequency	Sampling Method
Cadmium	milligrams per cubic metre	Special Frequency 1	TM-12, TM-13 & TM-14
Dry gas density	kilograms per cubic metre	Special Frequency 1	TM-23
Fluorine	milligrams per cubic metre	Special Frequency 1	TM-9
Hydrogen chloride	milligrams per cubic metre	Special Frequency 1	TM-8
Hydrogen fluoride	milligrams per cubic metre	Special Frequency 1	TM-9
Hydrogen Sulfide	milligrams per cubic metre	Special Frequency 1	TM-5
Mercury	milligrams per cubic metre	Special Frequency 1	TM-12, TM-13 & TM-14
Moisture	percent	Special Frequency 1	TM-22
Molecular weight of stack gases	grams per gram mole	Special Frequency 1	TM-23
Nitrogen Oxides	milligrams per cubic metre	Special Frequency 1	TM-11
Oxygen (O <sub>2</sub> )	percent	Special Frequency 1	TM-25
Sulfur dioxide	milligrams per cubic metre	Special Frequency 1	TM-4
Sulfuric acid mist and sulfur trioxide (as SO <sub>3</sub> )	milligrams per cubic metre	Special Frequency 1	TM-3
Temperature	Celsius	Special Frequency 1	TM-2
Total Solid Particles	milligrams per cubic metre	Special Frequency 1	TM-15
Type 1 substance	milligrams per cubic metre	Special Frequency 1	TM-12, TM-13 & TM-14
Type 2 substance	milligrams per cubic metre	Special Frequency 1	TM-12, TM-13 & TM-14
Velocity	metres per second	Special Frequency 1	TM-2

volatile organic compounds as n-propane equivalent	milligrams per cubic metre	Special Frequency 1	TM-34
Volumetric flowrate	cubic metres per second	Special Frequency 1	TM-2

**POINT 5,6**

Pollutant	Units of measure	Frequency	Sampling Method
Hydrogen fluoride	milligrams per cubic metre	Yearly	TM-9
Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Total Solid Particles	milligrams per cubic metre	Yearly	TM-15