

As per the general conditions number (XXIII) stipulated in SEIAA-EC-0000000475 dated 29 October 2018 and [general](#) conditions number (xi) stipulated in EC dated 5th December 2014 for post construction/operation phase, the details of Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded December 2025	Remarks for the values recorded December 2025
1	Sulphur Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	20.09 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	26.82 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 $\mu\text{g}/\text{m}^3$ (24 hrs)	53.08 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 $\mu\text{g}/\text{m}^3$ (24 hrs)	33.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 $\mu\text{g}/\text{m}^3$	8 hours average: 26.90 $\mu\text{g}/\text{m}^3$	Within limit
6	Lead	1.0 $\mu\text{g}/\text{m}^3$ (24 hrs)	<0.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 $\mu\text{g}/\text{m}^3$ (24 hrs)	5.21 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
9	Benzene	5 $\mu\text{g}/\text{m}^3$ (annual)	<2.1 $\mu\text{g}/\text{m}^3$	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 $\mu\text{g}/\text{m}^3$	Within limit

* As per Authorization Dated 23.08.2022

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded November 2025	Remarks for the values recorded November 2025
1	Sulphur Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	20.36 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	26.54 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 $\mu\text{g}/\text{m}^3$ (24 hrs)	54.26 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 $\mu\text{g}/\text{m}^3$ (24 hrs)	32.25 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 $\mu\text{g}/\text{m}^3$	8 hours average: 27.50 $\mu\text{g}/\text{m}^3$	Within limit
6	Lead	1.0 $\mu\text{g}/\text{m}^3$ (24 hrs)	<0.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 $\mu\text{g}/\text{m}^3$ (24 hrs)	4.82 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
9	Benzene	5 $\mu\text{g}/\text{m}^3$ (annual)	<2.1 $\mu\text{g}/\text{m}^3$	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 $\mu\text{g}/\text{m}^3$	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded October 2025	Remarks for the values recorded October 2025
1	Sulphur Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	20.64 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	27.73 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 $\mu\text{g}/\text{m}^3$ (24 hrs)	54.58 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 $\mu\text{g}/\text{m}^3$ (24 hrs)	34.36 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 $\mu\text{g}/\text{m}^3$	8 hours average: 26.49 $\mu\text{g}/\text{m}^3$	Within limit
6	Lead	1.0 $\mu\text{g}/\text{m}^3$ (24 hrs)	<0.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 $\mu\text{g}/\text{m}^3$ (24 hrs)	5.99 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
9	Benzene	5 $\mu\text{g}/\text{m}^3$ (annual)	<2.1 $\mu\text{g}/\text{m}^3$	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 $\mu\text{g}/\text{m}^3$	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded September 2025	Remarks for the values recorded September 2025
1	Sulphur Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	21.24 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	28.19 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 $\mu\text{g}/\text{m}^3$ (24 hrs)	52.72 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 $\mu\text{g}/\text{m}^3$ (24 hrs)	33.14 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 $\mu\text{g}/\text{m}^3$	8 hours average: 27.79 $\mu\text{g}/\text{m}^3$	Within limit
6	Lead	1.0 $\mu\text{g}/\text{m}^3$ (24 hrs)	<0.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 $\mu\text{g}/\text{m}^3$ (24 hrs)	4.89 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
9	Benzene	5 $\mu\text{g}/\text{m}^3$ (annual)	<2.1 $\mu\text{g}/\text{m}^3$	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 $\mu\text{g}/\text{m}^3$	Within limit

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Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded August 2025	Remarks for the values recorded August 2025
1	Sulphur Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	19.69 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 $\mu\text{g}/\text{m}^3$ (24 hrs)	28.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 $\mu\text{g}/\text{m}^3$ (24 hrs)	53.70 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 $\mu\text{g}/\text{m}^3$ (24 hrs)	33.03 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 $\mu\text{g}/\text{m}^3$	8 hours average: 26.97 $\mu\text{g}/\text{m}^3$	Within limit
6	Lead	1.0 $\mu\text{g}/\text{m}^3$ (24 hrs)	<0.01 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 $\mu\text{g}/\text{m}^3$ (24 hrs)	5.70 $\mu\text{g}/\text{m}^3$ (24 hrs)	Within limit
9	Benzene	5 $\mu\text{g}/\text{m}^3$ (annual)	<2.1 $\mu\text{g}/\text{m}^3$	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 $\mu\text{g}/\text{m}^3$	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded July 2025	Remarks for the values recorded July 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.66 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	28.06 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.49 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.12 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 28.04 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	5.31 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded June 2025	Remarks for the values recorded June 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.50 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.78 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	52.89 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	32.50 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 27.94 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.66 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded May 2025	Remarks for the values recorded May 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.28 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	26.58 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	53.21 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	35.52 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.42 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.97 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded April 2025	Remarks for the values recorded April 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.20 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	28.34 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	54.98 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.18 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 27.00 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	6.28 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded March 2025	Remarks for the values recorded March 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.05 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	28.24 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	55.16 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.99 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.83 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	6.24 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded February 2025	Remarks for the values recorded February 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	20.23 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	28.04 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	51.98 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.69 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 28.61 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	4.69 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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Air pollution levels monitored at ISWM Project site, Kanjur, are as follows.

Sr. No.	Parameters *	Permissible levels as per SWM Rules, 2016	Values Recorded January 2025	Remarks for the values recorded January 2025
1	Sulphur Dioxide	80 µg/m ³ (24 hrs)	19.52 µg/m ³ (24 hrs)	Within limit
2	Nitrogen Dioxide	80 µg/m ³ (24 hrs)	27.18 µg/m ³ (24 hrs)	Within limit
3	Particulate matter, PM ₁₀	100 µg/m ³ (24 hrs)	55.88 µg/m ³ (24 hrs)	Within limit
4	Particulate matter, PM _{2.5}	60 µg/m ³ (24 hrs)	33.40 µg/m ³ (24 hrs)	Within limit
5	Ozone	8 hours average: 100 µg/m ³	8 hours average: 26.68 µg/m ³	Within limit
6	Lead	1.0 µg/m ³ (24 hrs)	<0.01 µg/m ³ (24 hrs)	Within limit
7	Carbon Monoxide	1-hour average: 4 mg/m ³	24 hours 1-hourly average: <0.4 mg/m ³	Within limit
8	Ammonia	400 µg/m ³ (24 hrs)	5.21 µg/m ³ (24 hrs)	Within limit
9	Benzene	5 µg/m ³ (annual)	<2.1 µg/m ³	Within limit
10	Benzo(α)Pyrene	1 ng/m ³ (annual)	<0.1 ng/m ³	Within limit
11	Arsenic	6 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
12	Nickel	20 ng/m ³ (annual)	<0.5 ng/m ³	Within limit
13	Methane	Not to exceed 25% of the Lower Explosive Limit (equivalent to 650 mg/m ³)	<0.5 µg/m ³	Within limit

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