



UCML DUST MONITORING CRITERIA

Air Quality Impact Assessment Criteria

The following criteria outlines the Air Quality Impact Assessment requirements defined in Consent Condition 6 of DAs 16/93 and 78/93, Consent Condition 6.1 (a) DA No. 113-12-98 and Consent Condition 9 of DA 103-5-2005.

Table 1: Long term impact assessment criteria for particulate matter

<i>Pollutant</i>	<i>Averaging period</i>	<i>Criterion</i>
<i>Total suspended particulate (TSP) matter</i>	<i>Annual</i>	<i>90 µg/m³</i>
<i>Particulate matter < 10 µm (PM₁₀)</i>	<i>Annual</i>	<i>30 µg/m³</i>

Table 2: Short- term impact assessment criteria for particulate matter

<i>Pollutant</i>	<i>Averaging period</i>	<i>Criterion</i>
<i>Particulate matter < 10 µm (PM₁₀)</i>	<i>24 hour</i>	<i>50 µg/m³</i>

Table 3: Long- term impact assessment criteria for deposited dust

<i>Pollutant</i>	<i>Averaging period</i>	<i>Maximum increase in deposited dust level</i>	<i>Maximum total deposited dust level</i>
<i>Deposited dust</i>	<i>Annual</i>	<i>2 g/m²/month</i>	<i>4 g/m²/month</i>

Note: Deposited dust is assessed as insoluble solids as defined by Standards Australia, 2003, AS 3580.10.1-2003: Methods for Sampling and Analysis of Ambient Air - Determination of Particulates - Deposited Matter - Gravimetric Method.

Ulan Air Quality Monitoring Program

Site No.	Parameters Monitored	Units of Measure	Averaging Period	Sampling Frequency	Sampling Method ¹
DM1	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM3	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM4	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM5	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM8	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM9	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM11	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
DM12	Deposited dust	g/m ² /month	Annual	Monthly	AM-19
HV1	TSP matter	µg/m ³	Annual	24 hours, every 6 days	AM-15
HV2	TSP matter	µg/m ³	Annual	24 hours, every 6 days	AM-15
HV3	PM ₁₀	µg/m ³	24 hour, annual	24 hours, every 6 days	AM-22

Note:

¹NSW DEC, 2005, Approved Methods for the Sampling and Analysis of Air Pollutants in NSW.