

RIX'S CREEK MINE AIR QUALITY RESULTS
2021 TEOM/Dusttrak SUMMARY

License Number: 3391
Licensee: RIX'S CREEK PTY. LIMITED
 PO BOX 4
 EAST MAITLAND NSW 2323
Premises: RIX'S CREEK COLLIERY
 RIX'S CREEK LANE
 SINGLETON NSW 2330

Monitoring Frequency: Continuous
Sampling Method: AM-22
Averaging period: 24hrs
Pollutant: PM10
Units of measure: micrograms per cubic metre



2021										
Month	EPA ID	Sampling Point	First Sample Date	Last sample date	Date obtained	Min daily average	Mean daily average	Max daily average	Annual Guideline	24 hr Criteria
JAN	12	RCN - North West	1/01/2021	31/01/2021	Daily	3.7	20.1	41.5	25.00	50.00
	13	RCN - South East	1/01/2021	31/01/2021	Daily	6.8	19.1	38.2	25.00	50.00
	14	RCN - North East	1/01/2021	31/01/2021	Daily	4.3	14.5	28.3	25.00	50.00
	15	RCS - North West	1/01/2021	31/01/2021	Daily	2.2	9.7	23.5	25.00	50.00
	16	RCS - South East	1/01/2021	31/01/2021	Daily	1.0	9.1	27.7	25.00	50.00
FEB	12	RCN - North West	1/02/2021	28/02/2021	Daily	6.3	16.5	28.6	25.00	50.00
	13	RCN - South East	1/02/2021	28/02/2021	Daily	5.5	14.6	31.9	25.00	50.00
	14	RCN - North East	1/02/2021	28/02/2021	Daily	5.8	12.9	24.6	25.00	50.00
	15	RCS - North West	1/02/2021	28/02/2021	Daily	4.9	11.4	30.7	25.00	50.00
	16	RCS - South East	1/02/2021	28/02/2021	Daily	2.2	9.1	33.1	25.00	50.00
MAR	12	RCN - North West	1/03/2021	31/03/2021	Daily	5.1	18.2	43.7	25.00	50.00
	13	RCN - South East	1/03/2021	31/03/2021	Daily	5.8	16.6	39.0	25.00	50.00
	14	RCN - North East	1/03/2021	31/03/2021	Daily	5.0	13.9	28.5	25.00	50.00
	15	RCS - North West	1/03/2021	31/03/2021	Daily	2.7	10.2	35.4	25.00	50.00
	16	RCS - South East	1/03/2021	31/03/2021	Daily	2.1	10.9	36.8	25.00	50.00
APR	12	RCN - North West	1/04/2021	30/04/2021	Daily	7.6	25.3	47.9	25.00	50.00
	13	RCN - South East	1/04/2021	30/04/2021	Daily	4.4	12.0	21.9	25.00	50.00
	14	RCN - North East	1/04/2021	30/04/2021	Daily	5.1	15.8	28.3	25.00	50.00
	15	RCS - North West	1/04/2021	30/04/2021	Daily	5.5	9.0	14.4	25.00	50.00
	16	RCS - South East	1/04/2021	30/04/2021	Daily	7.3	16.4	31.8	25.00	50.00
MAY	12	RCN - North West	1/05/2021	31/05/2021	Daily	9.7	22.6	41.7	25.00	50.00
	13	RCN - South East	1/05/2021	31/05/2021	Daily	3.5	9.4	15.9	25.00	50.00
	14	RCN - North East	1/05/2021	31/05/2021	Daily	8.6	12.6	19.9	25.00	50.00
	15	RCS - North West	1/05/2021	31/05/2021	Daily	4.8	10.4	21.4	25.00	50.00
	16	RCS - South East	1/05/2021	31/05/2021	Daily	5.1	13.4	31.0	25.00	50.00
JUNE	12	RCN - North West	1/06/2021	30/06/2021	Daily	5.0	21.0	40.4	25.00	50.00
	13	RCN - South East	1/06/2021	30/06/2021	Daily	3.4	8.6	16.2	25.00	50.00
	14	RCN - North East	1/06/2021	30/06/2021	Daily	3.5	10.8	19.3	25.00	50.00
	15	RCS - North West	1/06/2021	30/06/2021	Daily	1.8	9.1	21.5	25.00	50.00
	16	RCS - South East	1/06/2021	30/06/2021	Daily	3.3	10.3	26.7	25.00	50.00
JULY	12	RCN - North West	1/07/2021	31/07/2021	Daily	12.8	25.9	54.3	25.00	50.00
	13	RCN - South East	1/07/2021	31/07/2021	Daily	6.2	9.8	15.6	25.00	50.00
	14	RCN - North East	1/07/2021	31/07/2021	Daily	7.1	13.3	15.6	25.00	50.00
	15	RCS - North West	1/07/2021	31/07/2021	Daily	3.4	10.1	28.9	25.00	50.00
	16	RCS - South East	1/07/2021	31/07/2021	Daily	3.9	11.8	37.3	25.00	50.00
AUG	12	RCN - North West	1/08/2021	31/08/2021	Daily	6.1	31.6	59.1	25.00	50.00
	13	RCN - South East	1/08/2021	31/08/2021	Daily	3.8	11.6	20.2	25.00	50.00
	14	RCN - North East	1/08/2021	31/08/2021	Daily	5.0	15.8	28.9	25.00	50.00
	15	RCS - North West	1/08/2021	31/08/2021	Daily	2.3	12.1	35.6	25.00	50.00
	16	RCS - South East	1/08/2021	31/08/2021	Daily	2.4	14.8	48.7	25.00	50.00
SEPT	12	RCN - North West	1/09/2021	30/09/2021	Daily	6.8	24.7	47.6	25.00	50.00
	13	RCN - South East	1/09/2021	30/09/2021	Daily	3.0	11.5	36.5	25.00	50.00
	14	RCN - North East	1/09/2021	30/09/2021	Daily	5.3	13.4	25.8	25.00	50.00
	15	RCS - North West	1/09/2021	30/09/2021	Daily	2.9	10.8	32.7	25.00	50.00
	16	RCS - South East	1/09/2021	30/09/2021	Daily	4.0	13.6	43.3	25.00	50.00
OCT	12	RCN - North West	1/10/2021	31/10/2021	Daily	5.4	25.0	58.1	25.00	50.00
	13	RCN - South East	1/10/2021	31/10/2021	Daily	3.5	10.9	25.1	25.00	50.00
	14	RCN - North East	1/10/2021	31/10/2021	Daily	5.3	18.0	42.7	25.00	50.00
	15	RCS - North West	1/10/2021	31/10/2021	Daily	3.3	10.4	23.8	25.00	50.00
	16	RCS - South East	1/10/2021	31/10/2021	Daily	5.8	15.0	36.7	25.00	50.00
NOV	12	RCN - North West	1/11/2021	30/11/2021	Daily	3.9	16.5	35.9	25.00	50.00
	13	RCN - South East	1/11/2021	30/11/2021	Daily	4.3	7.9	13.7	25.00	50.00
	14	RCN - North East	1/11/2021	30/11/2021	Daily	4.4	13.5	36.3	25.00	50.00
	15	RCS - North West	1/11/2021	30/11/2021	Daily	2.6	10.1	19.4	25.00	50.00
	16	RCS - South East	1/11/2021	30/11/2021	Daily	2.8	15.2	33.3	25.00	50.00
DEC	12	RCN - North West	1/12/2021	31/12/2021	Daily	8.2	18.3	32.1	25.00	50.00
	13	RCN - South East	1/12/2021	31/12/2021	Daily	4.8	13.0	32.7	25.00	50.00
	14	RCN - North East	1/12/2021	31/12/2021	Daily	1.9	13.7	27.7	25.00	50.00
	15	RCS - North West	1/12/2021	31/12/2021	Daily	4.3	13.4	49.1	25.00	50.00
	16	RCS - South East	1/12/2021	31/12/2021	Daily	5.3	22.7	88.1	25.00	50.00

2021 RCN - North West			2021 RCN - South East			2021 RCN - North East		
Year to date min	Year to date mean	Year to date max	Year to date min	Year to date mean	Year to date max	Year to date min	Year to date mean	Year to date max
3.7	22.1	59.1	3.0	12.4	39.0	1.9	14.0	42.7

2021 RCS - North West (Bowmans)			2021 RCS - South East (South Rehab)		
Year to date min	Year to date mean	Year to date max	Year to date min	Year to date mean	Year to date max
1.80	10.56	49.10	1.00	13.53	88.10

TEOM data updated 04/01/2022

Dustrak data updated 04/01/2022

* 15/04/2021 - 30/04/2021 Bowman Dustrak went offline and required maintenance and calibration.

* 01/05/2021 - 17/05/2021 Bowman Dustrak went offline and required maintenance and calibration.

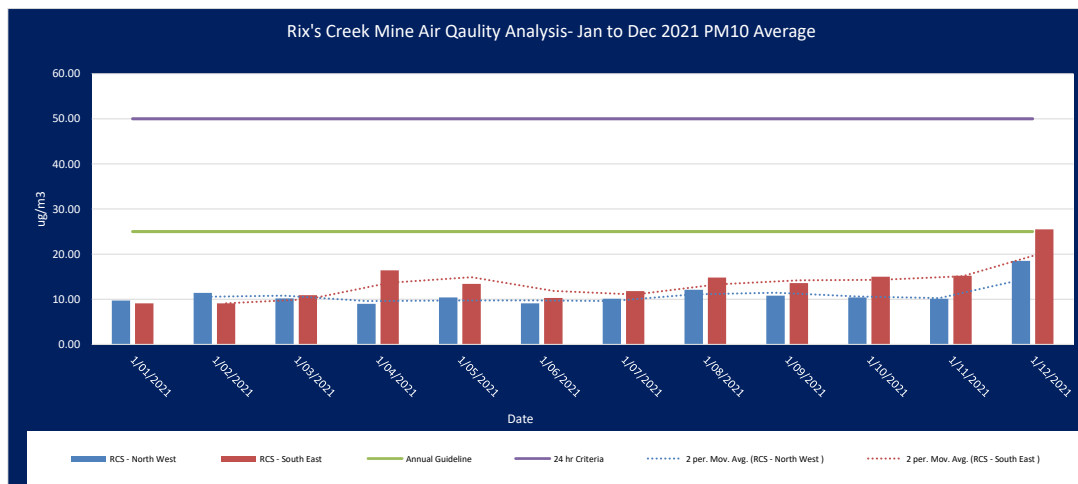
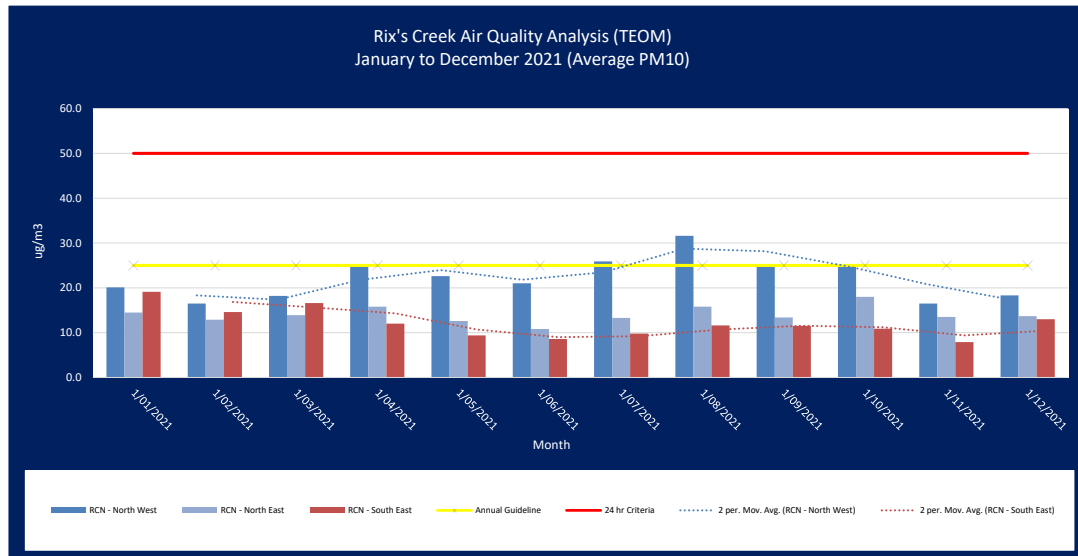
* 12/09/2021 - NE Team went off line, requiring maintenance.

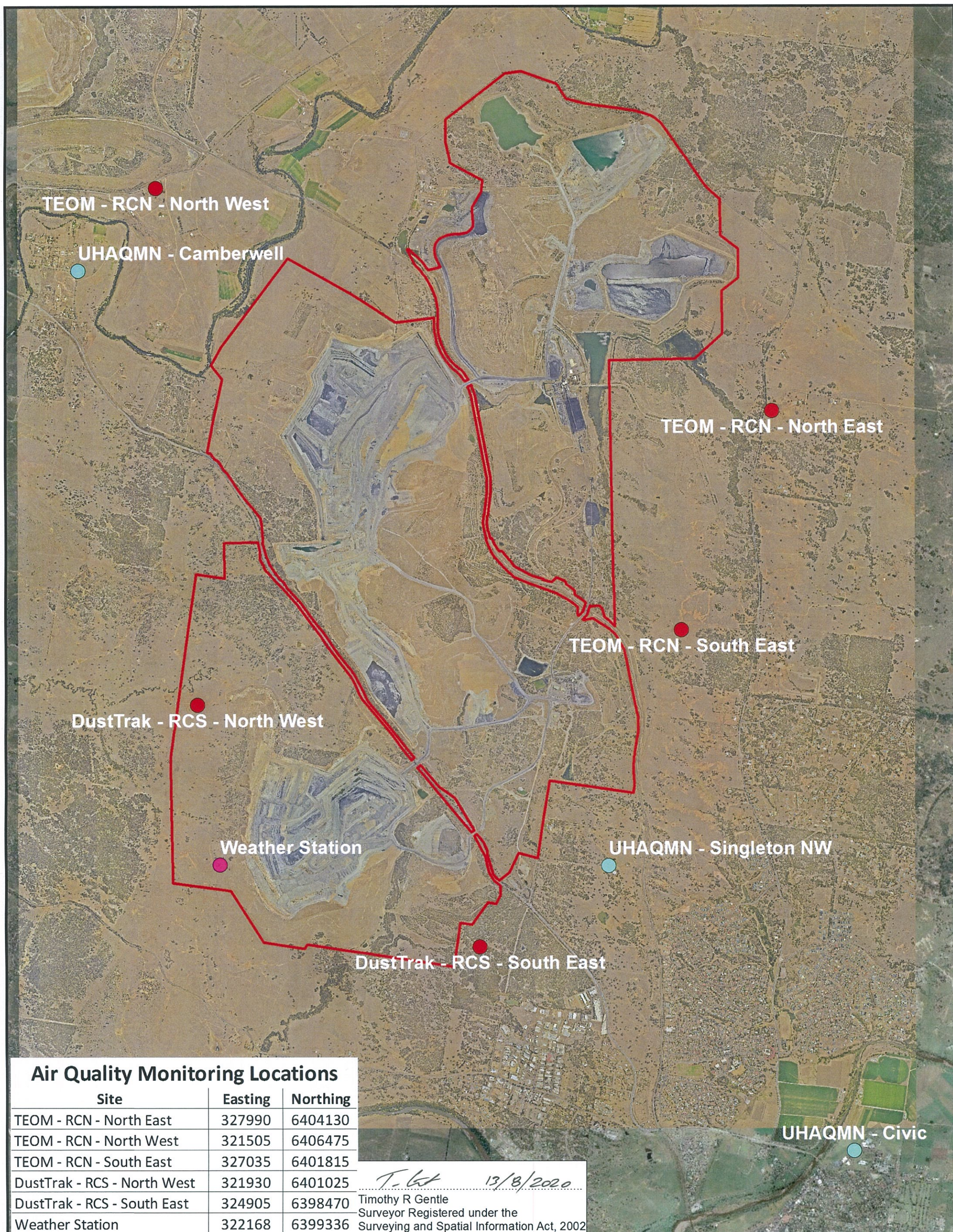
* 18/09/2021 - 26/09/2021 NE Team went offline requiring maintenance and calibration.

* 10/12/2021 - 16/12/2021 SE Team data card froze, replacement required.

* 3/12/2021 - 4/12/2021 Rehab and Bowman's Dustrak's affected by afternoon storm activity. Bowmans required new USB>RS232 converter.

* 21/12/2021 - 22/12/2021 Rehab Dustrak required replacement as calibration required





Air Quality Monitoring Locations

Site	Easting	Northing
TEOM - RCN - North East	327990	6404130
TEOM - RCN - North West	321505	6406475
TEOM - RCN - South East	327035	6401815
DustTrak - RCS - North West	321930	6401025
DustTrak - RCS - South East	324905	6398470
Weather Station	322168	6399336

T. Gentle 13/8/2020
 Timothy R Gentle
 Surveyor Registered under the
 Surveying and Spatial Information Act, 2002



Legend

- Weather Station
- Air Quality Monitoring Sites
- UHAQMN Sites
- EPL PREMISES BOUNDARY

AIR QUALITY MONITORING LOCATIONS - EPL3391



Author: TRG
 Scale: 1:35,000
 Date: 13/08/2020
 File: Air monit sites EPL 2008