

RIX'S CREEK MINE AIR QUALITY RESULTS
2020 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

2020										
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	1/01/2020	31/01/2020	Daily	33.5	50.5	84.4	30.00	50.00
	13	RCN - South East	1/01/2020	31/01/2020	Daily	14.9	39.7	82.9	30.00	50.00
	14	RCN - North East	1/01/2020	31/01/2020	Daily	16.2	38.2	91.3	30.00	50.00
	15	RCS - North West	1/01/2020	31/01/2020	6/02/2020	17.2	49.3	113.8	25.00	50.00
	16	RCS - South East	1/01/2020	31/01/2020	6/02/2020	12.6	45.2	109.4	25.00	50.00
FEB	12	RCN - North West	1/02/2020	29/02/2020	Daily	18.0	46.9	74.9	30.00	50.00
	13	RCN - South East	1/02/2020	29/02/2020	Daily	4.2	19.3	55.0	30.00	50.00
	14	RCN - North East	1/02/2020	29/02/2020	Daily	5.1	18.1	40.8	30.00	50.00
	15	RCS - North West	1/02/2020	29/02/2020	20/03/2020	5.1	14.7	73.9	25.00	50.00
	16	RCS - South East	1/02/2020	29/02/2020	20/03/2020	2.5	12.4	64.6	25.00	50.00
MAR	12	RCN - North West	1/03/2020	31/03/2020	Daily	3.9	20.1	56.6	30.00	50.00
	13	RCN - South East	1/03/2020	31/03/2020	Daily	7.3	16.5	50.0	30.00	50.00
	14	RCN - North East	1/03/2020	31/03/2020	Daily	7.9	15.4	41.2	30.00	50.00
	15	RCS - North West	1/03/2020	31/03/2020	21/04/2020	5.1	11.3	24.2	25.00	50.00
	16	RCS - South East	1/03/2020	31/03/2020	21/04/2020	2.6	9.8	24.3	25.00	50.00
APR	12	RCN - North West	1/04/2020	30/04/2020	Daily	13.6	30.8	54.5	30.00	50.00
	13	RCN - South East	1/04/2020	30/04/2020	Daily	7.5	25.2	55.3	30.00	50.00
	14	RCN - North East	1/04/2020	30/04/2020	Daily	8.7	23.0	61.9	30.00	50.00
	15	RCS - North West	1/04/2020	30/04/2020	15/05/2020	6.8	33.8	67.5	25.00	50.00
	16	RCS - South East	1/04/2020	30/04/2020	15/05/2020	6.2	12.3	22.9	25.00	50.00
MAY	12	RCN - North West	1/05/2020	31/05/2020	Daily	13.2	40.3	56.4	30.00	50.00
	13	RCN - South East	1/05/2020	31/05/2020	Daily	5.7	14.7	32.4	30.00	50.00
	14	RCN - North East	1/05/2020	31/05/2020	Daily	7.8	17.3	39.1	30.00	50.00
	15	RCS - North West	1/05/2020	31/05/2020	9/06/2020	2.5	12.1	28.2	25.00	50.00
	16	RCS - South East	1/05/2020	31/05/2020	9/06/2020	2.6	11.5	36.6	25.00	50.00
JUNE	12	RCN - North West	1/06/2020	30/06/2020	Daily	6.6	19.9	61.2	30.00	50.00
	13	RCN - South East	1/06/2020	30/06/2020	Daily	7.9	13.1	29.5	30.00	50.00
	14	RCN - North East	1/06/2020	30/06/2020	Daily	4.8	15.3	30.4	30.00	50.00
	15	RCS - North West	1/06/2020	30/06/2020	16/07/2020	1.7	11.3	43.8	25.00	50.00
	16	RCS - South East	1/06/2020	30/06/2020	16/07/2020	2.6	11.3	32.7	25.00	50.00
JULY	12	RCN - North West	1/07/2020	31/07/2020	Daily	4.6	18.3	35.9	30.00	50.00
	13	RCN - South East	1/07/2020	31/07/2020	Daily	4.6	13.0	37.9	30.00	50.00
	14	RCN - North East	1/07/2020	31/07/2020	Daily	3.9	16.3	35.9	30.00	50.00
	15	RCS - North West	1/07/2020	31/07/2020	24/08/2020	2.1	10.6	26.2	25.00	50.00
	16	RCS - South East	1/07/2020	31/07/2020	24/08/2020	2.4	11.3	28.2	25.00	50.00
AUG	12	RCN - North West	1/08/2020	31/08/2020	Daily	9.6	26.8	71.6	30.00	50.00
	13	RCN - South East	1/08/2020	31/08/2020	Daily	5.6	16.6	53.8	30.00	50.00
	14	RCN - North East	1/08/2020	31/08/2020	Daily	7.6	21.9	68.6	30.00	50.00
	15	RCS - North West	1/08/2020	31/08/2020	17/09/2020	0.7	9.3	25.1	25.00	50.00
	16	RCS - South East	1/08/2020	31/08/2020	17/09/2020	1.9	11.7	25.6	25.00	50.00
SEPT	12	RCN - North West	1/09/2020	30/09/2020	Daily	10.6	24.9	51.9	30.00	50.00
	13	RCN - South East	1/09/2020	30/09/2020	Daily	7.9	17.4	42.6	30.00	50.00
	14	RCN - North East	1/09/2020	30/09/2020	Daily	8.0	20.9	44.0	30.00	50.00
	15	RCS - North West	1/09/2020	30/09/2020	19/10/2020	1.7	11.0	24.9	25.00	50.00
	16	RCS - South East	1/09/2020	30/09/2020	19/10/2020	2.2	15.4	28.5	25.00	50.00
OCT	12	RCN - North West	1/10/2020	31/10/2020	Daily	7.6	22.7	40.4	30.00	50.00
	13	RCN - South East	1/10/2020	31/10/2020	Daily	4.1	16.2	29.9	30.00	50.00
	14	RCN - North East	1/10/2020	31/10/2020	Daily	5.4	18.8	35.0	30.00	50.00
	15	RCS - North West	1/10/2020	31/10/2020	18/11/2020	2.8	14.7	27.6	25.00	50.00
	16	RCS - South East	1/10/2020	31/10/2020	18/11/2020	1.0	11.6	30.0	25.00	50.00
NOV	12	RCN - North West	1/11/2020	30/11/2020	Daily	10.5	29.4	76.4	30.00	50.00
	13	RCN - South East	1/11/2020	30/11/2020	Daily	7.8	21.3	82.7	30.00	50.00
	14	RCN - North East	1/11/2020	30/11/2020	Daily	8.6	24.0	75.9	30.00	50.00
	15	RCS - North West	1/11/2020	30/11/2020	18/12/2021	5.7	21.5	58.7	25.00	50.00
	16	RCS - South East	1/11/2020	30/11/2020	18/12/2021	2.0	15.9	39.0	25.00	50.00
DEC	12	RCN - North West	1/12/2020	31/12/2020	Daily	7.4	20.1	52.7	30.00	50.00
	13	RCN - South East	1/12/2020	31/12/2020	Daily	9.0	19.1	43.8	30.00	50.00
	14	RCN - North East	1/12/2020	31/12/2020	Daily	5.9	15.5	35.6	30.00	50.00
	15	RCS - North West	1/12/2020	31/12/2020	19/01/2021	3.9	11.2	32.1	25.00	50.00
	16	RCS - South East	1/12/2020	31/12/2020	19/01/2021	5.8	16.4	45.5	25.00	50.00

2020 RCN - North West			2020 RCN - South East			2020 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
3.9	29.2	84.4	4.1	19.8	82.9	3.9	20.4	91.3

2020 RCS - North West (Bowmans)			2020 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
0.70	17.57	113.80	1.00	15.40	109.40

TEOM data updated 01/12/2020

Dustrak data updated 20/11/2020

*UHAQMN Singleton NW data has been referenced for the days **1 - 7 January 2020** due to RCN SE TEOM requiring filter change out.

*UHAQMN Singleton NW data has been referenced for the days **19 - 21 January 2020** due to RCN SE TEOM requiring filter change out.

*UHAQMN Camberwell Data has been referenced for the days **21 - 22 January 2020** due to RCN NW TEOM being off line during this time period.

*1 - 29 February 2020 direct download from RCN NW TEOM due to SCADA system experiencing technical issues.

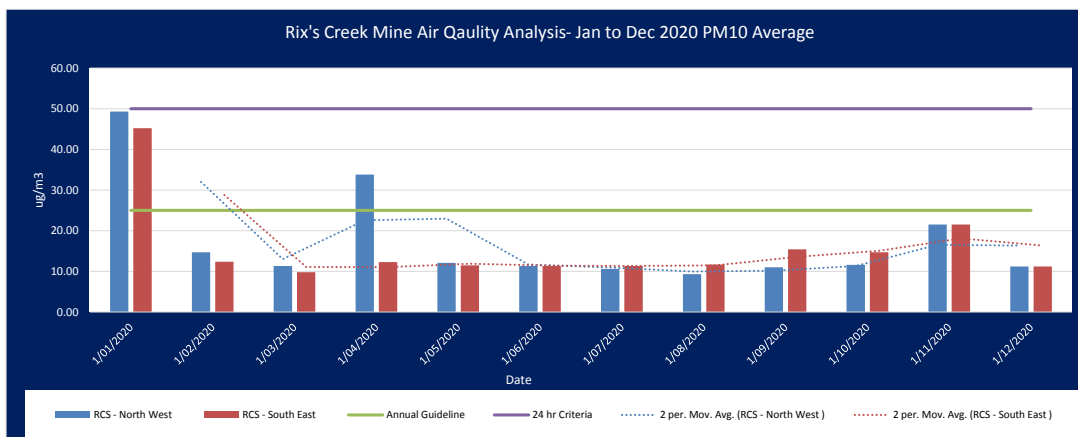
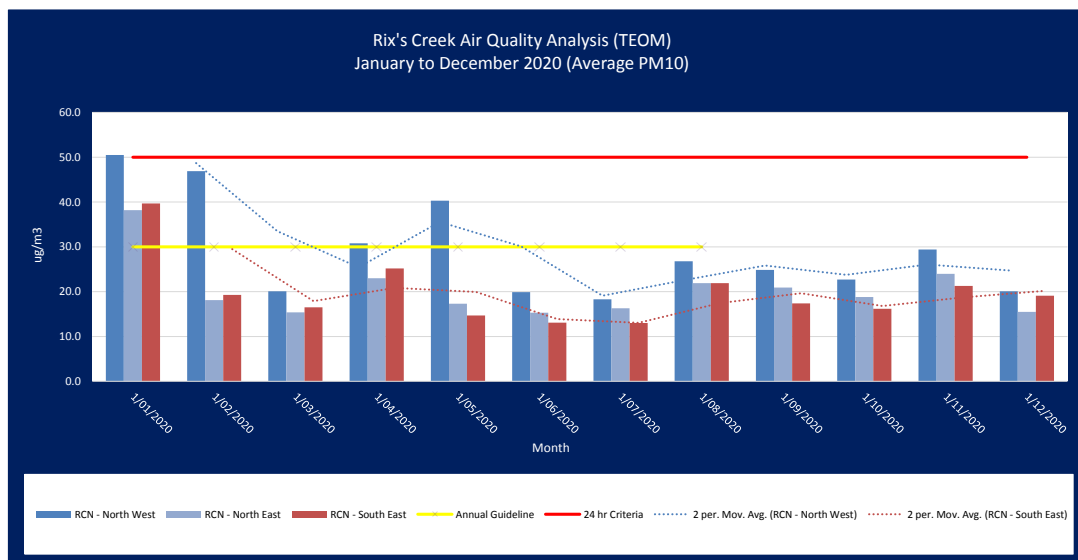
*1 - 31 March 2020 direct download from RCS SE Dustrak used due to SCADA system experiencing technical issues.

*UHAQMN Camberwell data has been referenced for the days **21st - 23rd April 2020** due to RCS NW Dustrak requiring change out.

* UHAQMN Singleton data has been referenced for the days **1st - 2nd July 2020** due to RCS SE Dustrak battery issues.

*UHAQMN Camberwell data has been referenced for the days **5th - 8th Sept 2020** due to RCN NW TEOM being off line during this period.

* 24th - 31st October 2020 Teledata data reviewed due to Electrical Storm weather event - compared with UHAQMN Camberwell/Singleton data for same period.





LEGEND

Air Quality Monitoring Sites

Weather Station

UHAQMN Sites

EPL 3391 Boundary

Air Quality Monitoring Locations		
Site	Easting	Northing
TEOM - RCN - North-West	321546	6406545
TEOM - RCN - North-East	326985	6401815
TEOM - RCN - South-East	327988	6404128
DustTrak - RCS - North-West	321931	6401023
DustTrak - RCS - South-East	322163	6399089
Weather Station	322163	6399325

RIX'S CREEK

Rix's Creek P/L - EPL 3391

Air Quality Monitoring Sites

Scale:- 1:30,000

Date: December 2016
Photo: December 2015

Drawing A3
File:- Integra 4_jhDec16
EPL Air Quality Monitoring Sites