

212 East Bomen Road
Bomen NSW 2650
T: 02 6937 1900



Postage Address:
PO Box 6266
WAGGA WAGGA NSW 2650
ABN 50 114 135 821

January 2020 Monthly Monitoring Report

Published Date - Tuesday, 18 February 2020

212 East Bomen Road
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ABN 50 114 135 821

1. Introduction

This monthly monitoring report relates to the operation of Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650. The results stated in this report are the latest results received for the substance monitored. In the case of quarterly reported results the previous quarter's result will be shown until it is superseded.

2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack

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3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	1.7
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	0.5	0.043
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	1	0.053

Comment:

Point 1 samples taken this month, results compliant.

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3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	3.6
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	0.5	0.3
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	1.2
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	1	0.32
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken this month, results compliant.

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EPL: 12878
Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650
Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/02/2020	01/01/2020-31/01/2020	400	130.0	1.0	22.5	18.0

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878
Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650
Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

No Point 3 samples this month, previous results compliant

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3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

No Point 4 samples this month, previous results compliant

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 18/02/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

No Point 5 samples this month, previous results compliant

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February 2020 Monthly Monitoring Report

Published Date - Wednesday, 4 March 2020

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack

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3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	1.7
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	0.5	0.043
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	1	0.053

Comment:

No Point 1 samples taken this month, previous results compliant.

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3.2 Monitoring point 2

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Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	3.6
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	0.5	0.3
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	5	1.2
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	22/01/2020	01/11/2019-31/01/2020	1	0.32
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

No Point 2 samples taken this month, previous results compliant.

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Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/03/2020	01/02/2020-29/02/2020	400	168.0	1.0	28.5	21.8

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 696 measured results for the month out of a possible 696.

3.3 Monitoring point 3

EPL: 12878
Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650
Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

No Point 3 samples this month, previous results compliant

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3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

No Point 4 samples this month, previous results compliant

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 4/03/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

No Point 5 samples this month, previous results compliant

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March 2020 Monthly Monitoring Report

Published Date - Monday, 6 April 2020

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	0.5	0.07
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	1	0.089

Comment:

Point 1 samples taken this month, results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	20/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	0.5	0.37
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	0.012
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	1	0.38
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken this month, results compliant.



EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/04/2020	01/03/2020-31/03/2020	400	206.3	7.3	44.3	33.9

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

No Point 3 samples this month, previous results compliant



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

No Point 4 samples this month, previous results compliant

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

No Point 5 samples this month, previous results compliant



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/04/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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April 2020 Monthly Monitoring Report

Published Date - Tuesday, 5 May 2020

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
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4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	0.5	0.07
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	1	0.089

Comment:

Point 1 samples taken last month, results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	20/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	0.5	0.37
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	0.012
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	1	0.38
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken last month, results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/05/2020	01/04/2020-30/04/2020	400	329.7	7.0	40.1	31.8

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 720 measured results for the month out of a possible 720.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

No Point 3 samples this month, previous results compliant



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

No Point 4 samples this month, previous results compliant

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

No Point 5 samples this month, previous results compliant



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/05/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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May 2020 Monthly Monitoring Report

Published Date - Thursday, 11 June 2020

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1. Introduction

This monthly monitoring report relates to the operation of Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650. The results stated in this report are the latest results received for the substance monitored. In the case of quarterly reported results the previous quarter's result will be shown until it is superseded.

2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	0.5	0.07
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	1	0.089

Comment:

No Point 1 samples this month, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	20/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	0.5	0.37
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	0.012
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	1	0.38
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

No Point 2 samples this month, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/06/2020	01/05/2020-31/05/2020	400	269.5	9.0	38.0	26.5

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

No Point 3 samples this month, previous results compliant



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

No Point 4 samples this month, previous results compliant

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

No Point 5 samples this month, previous results compliant



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 11/06/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	0.5	0.07
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	1	0.089

Comment:

Point 1 samples taken this month, awaiting results, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	20/02/2020	01/02/2020-30/04/2020	5	2.8
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	0.5	0.37
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	19/02/2020	01/02/2020-30/04/2020	5	0.012
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/03/2020	01/02/2020-30/04/2020	1	0.38
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken this month, awaiting results, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/07/2020	01/06/2020-30/06/2020	400	215.4	9.9	39.8	32.2

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 720 measured results for the month out of a possible 720.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	28

Comment:

Point 3 samples taken this month, awaiting results, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	02/07/2019	250	89

Comment:

Point 4 samples taken this month, awaiting results, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	02/07/2019	5	4.1

Comment:

Point 5 samples taken this month, awaiting results, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/07/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
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3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	5	4.6
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	0.5	0.028
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	1	0.042

Comment:

Point 1 samples taken last month, results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken last month, results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/08/2020	01/07/2020-31/07/2020	400	238.3	11	43.5	34.2

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

Point 3 samples taken last month, results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

Point 4 samples taken last month, results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

Point 5 samples taken last month, results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 7/08/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

This monthly monitoring report relates to the operation of Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650. The results stated in this report are the latest results received for the substance monitored. In the case of quarterly reported results the previous quarter's result will be shown until it is superseded.

2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
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4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	5	4.6
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	0.5	0.028
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	1	0.042

Comment:

No Point 1 samples taken last month, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

No Point 2 samples taken last month, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/09/2020	01/08/2020-31/08/2020	400	243.0	11.0	53.1	42.9

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

No Point 3 samples taken last month, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

No Point 4 samples taken last month, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

No Point 5 samples taken last month, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 8/09/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

This monthly monitoring report relates to the operation of Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650. The results stated in this report are the latest results received for the substance monitored. In the case of quarterly reported results the previous quarter's result will be shown until it is superseded.

2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	5	4.6
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	0.5	0.028
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	24/06/2020	01/05/2020-31/07/2020	1	0.042

Comment:

Point 1 samples taken last month, awaiting results, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO3)	TM-3	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	25/06/2020	01/05/2020-31/07/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	03/07/2019	01/05/2019-30/04/2020	0.1	0.0037

Comment:

Point 2 samples taken last month, awaiting results, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/10/2020	01/09/2020-30/09/2020	400	228.7	11	42.9	33.8

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 720 measured results for the month out of a possible 720.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

No Point 3 samples taken last month, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

No Point 4 samples taken last month, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

No Point 5 samples taken last month, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 6/10/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

This monthly monitoring report relates to the operation of Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650. The results stated in this report are the latest results received for the substance monitored. In the case of quarterly reported results the previous quarter's result will be shown until it is superseded.

2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
3	Discharge to Air	Discharge to Air	Refining kettle burners emissions from stack
4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	5	4.3
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	0.5	0.085
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	1	0.11

Comment:

No Point 1 samples taken last month, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO3)	TM-3	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	20/08/2020	01/05/2020-30/04/2021	0.1	0.0037

Comment:

No Point 2 samples taken last month, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/10/2020	01/09/2020-30/09/2020	400	257.3	7.4	48.2	34.7

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

No Point 3 samples taken last month, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

No Point 4 samples taken last month, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

No Point 5 samples taken last month, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/11/20

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

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2. Monitoring Points (EPA Identification number)

EPA Identification Number	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to Air	Discharge to Air	CX section sanitary air emissions from stack
2	Discharge to Air	Discharge to Air	Process gases and sanitary air emissions from stack
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4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	5	4.3
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	0.5	0.085
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	1	0.11

Comment:

Point 1 samples taken this month, awaiting results, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO3)	TM-3	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	20/08/2020	01/05/2020-30/04/2021	0.1	0.0037

Comment:

Point 2 samples taken this month, awaiting results, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/12/2020	01/11/2020-30/11/2020	400	256.0	4.4	30.6	23.6

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 720 measured results for the month out of a possible 720.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

No Point 3 samples taken last month, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

No Point 4 samples taken last month, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

No Point 5 samples taken last month, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.

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1. Introduction

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4	Discharge to Air	Discharge to Air	Steam boiler emissions from stack
5	Discharge to Air	Discharge to Air	Sodium sulphate drying emissions from stack
6	Discharge to Air	Discharge to Air	Hygiene Air emissions from stack (in Licence but has not yet been built)



3. Monitoring Results

3.1 Monitoring Point 1

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	5	4.3
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	0.5	0.085
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	19/08/2020	01/08/2020-31/10/2020	1	0.11

Comment:

Point 1 samples taken last month, awaiting results, previous results compliant.



3.2 Monitoring point 2

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	5	2.4
Lead	TM-12	milligrams per cubic metre	Quarterly	N/A	29/09/2020	01/08/2020-31/10/2020	0.5	0.12
Sulfuric acid mist and sulfur trioxide (as SO ₃)	TM-3	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	5	1.3
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Quarterly	N/A	20/08/2020	01/08/2020-31/10/2020	1	0.14
Dioxins & Furans	TM-18	nanograms per cubic metre	Yearly	N/A	20/08/2020	01/05/2020-30/04/2021	0.1	0.0037

Comment:

Point 2 samples taken last month, awaiting results, previous results compliant.

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result			
								Max	Min	Mean	Median
Sulphur dioxide	CEM-2	milligrams per cubic metre	Continuous	1 hour	01/01/2021	01/12/2020-31/12/2020	400	184.2	6.9	31.5	23.8

Comment:

Mean, median, minimum and maximum results for continuous monitoring of sulphur dioxide are taken from 744 measured results for the month out of a possible 744.

3.3 Monitoring point 3

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	28

Comment:

No Point 3 samples taken last month, previous results compliant.



3.4 Monitoring point 4

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Nitrogen dioxide	TM-11	milligrams per cubic metre	Yearly	N/A	24/06/2020	250	89

Comment:

No Point 4 samples taken last month, previous results compliant.

3.5 Monitoring point 5

EPL: 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Yearly	N/A	24/06/2020	5	4.1

Comment:

No Point 5 samples taken last month, previous results compliant.



3.6 Monitoring Point 6

EPL 12878

Licensee: Enirgi Power Storage Recycling Pty Ltd., 509 Byrnes Rd, Bomen, New South Wales 2650

Published: - 5/01/21

Substance	Sampling Method	Units of measure	Frequency	Averaging Period (if applicable)	Date obtained	Date Range	100 percent concentration limit	Result
Solid Particles	TM-15	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	5	N/A
Type 1 and Type 2 substances in aggregate	TM-12 TM-13 TM-14	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	1	N/A
Lead	TM-12	milligrams per cubic metre	Special Frequency 1	N/A	N/A	N/A	0.5	N/A

Comment:

Point 6 conditions have been added to licence but the emission point has not yet been built, hence Results are N/A. As per condition E2 of 12878, Special frequency 1 means one round of post commissioning monitoring and annual thereafter.