

LICENSE DETAILS	LICENSEE:	LORIS H HASSALL TRADING PTY LTD
	PREMISES:	NEWELL HIGHWAY 812 PARKES ROAD
	LICENSE NUMBER:	12765
	REPORTING PERIOD:	1st June 2022 - 30 July 2023

TREATED BRINE EFFLUENT

*Not Tested (NT) *No Sample (NS) *Not Applicable (NA)

EPA LOCATION ID	TYPE OF MONITORING POINT	SAMPLING LOCATION DESCRIPTION	EPA SAMPLING FREQUENCY	LHH SAMPLE FREQUENCY	NUMBER OF SAMPLES	SAMPLE TYPE	SCHEDULED MONTH FOR COLLECTION	DATE COLLECTED	TIME COLLECTED	COLLECTED BY	SAMPLE WEIGHT/VOLUME TESTED	DATE OBTAINED FROM NATA LAB	NATA LAB REPORT REF NO.	PUBLISHED DATE
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	July	05-Jul-22	0850	Jason Britt	2litres	15-Jul-22	B1173013-A	18-Jul-22
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	August							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	September							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	October							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	November							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	December							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	January							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	February							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	March							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	April							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	May							
1	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	Monthly	Monthly	1	Grab Sample	June							

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EVAPORATION PANS

*Not Tested (NT) *No Sample (NS) *Not Applicable (NA)

EPA LOCATION ID	TYPE OF MONITORING POINT	SAMPLING LOCATION DESCRIPTION	EPA SAMPLING FREQUENCY	LHH SAMPLE FREQUENCY	NUMBER OF SAMPLES	SAMPLE TYPE	SCHEDULED MONTH FOR COLLECTION	DATE COLLECTED	TIME COLLECTED	COLLECTED BY	SAMPLE WEIGHT/VOLUME TESTED	DATE OBTAINED FROM NATA LAB	NATA LAB REPORT REF NO.	PUBLISHED DATE
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0825	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0830	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0835	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0840	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0845	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	July	05-Jul-22	0850	JasonBritt	1 Ltr	15-Jul-22	B1173013-B	18-Jul-22
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Quarterly	1	Grab Sample	August							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	September							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	September							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	September							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	September							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	September							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	September							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	October							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	October							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	October							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	October							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	October							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	October							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	December							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	December							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	December							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	December							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	December							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	December							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	January							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	January							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	January							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	January							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	January							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	January							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	February							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	February							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	February							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	February							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	February							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	March							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	March							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	March							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	March							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	March							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	March							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	March							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	April							

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3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	April							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	April							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	April							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	April							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	April							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	May							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	May							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	May							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	May							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	May							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	May							
2	Treated Brine effluent quality monitoring	From N. Pan 1 Insitu	Quarterly	Monthly	1	Grab Sample	June							
3	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Monthly	1	Grab Sample	June							
4	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Monthly	1	Grab Sample	June							
5	Treated Brine effluent quality monitoring	From Pan 4 Insitu	Quarterly	Monthly	1	Grab Sample	June							
6	Treated Brine effluent quality monitoring	From Pan 5 Insitu	Quarterly	Monthly	1	Grab Sample	June							
7	Treated Brine effluent quality monitoring	From Pan 6 Insitu	Quarterly	Monthly	1	Grab Sample	June							

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PIEZOMETERS *Not Tested (NT) *No Sample (NS) *Not Applicable (NA)

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8	Groundwater quality monitoring	Piezometer MW1	Annually	Annually	1	Grab Sample								
9	Groundwater quality monitoring	Piezometer MW5	Annually	Annually	1	Grab Sample								
10	Groundwater quality monitoring	Piezometer MW7	Annually	Annually	1	Grab Sample								
11	Groundwater quality monitoring	Piezometer MW8	Annually	Annually	1	Grab Sample								
12	Groundwater quality monitoring	Piezometer MW9	Annually	Annually	1	Grab Sample								

Shallow Monitoring Wells *Not Tested (NT) *No Sample (NS) *Not Applicable (NA)

EPA LOCATION ID	TYPE OF MONITORING POINT	SAMPLING LOCATION DESCRIPTION	EPA SAMPLING FREQUENCY	LHH SAMPLE FREQUENCY	NUMBER OF SAMPLES	SAMPLE TYPE	SCHEDULED MONTH FOR COLLECTION	DATE CHECKED	TIME CHECKED	CHECKED BY	DEPTH	SWL	SAMPLE OBTAINED	PUBLISHED DATE
17	Groundwater quality monitoring	Piezometer MW10	Quarterly	Quarterly	1	SLW	August							
18	Groundwater quality monitoring	Piezometer MW11	Quarterly	Quarterly	1	SLW	August							
19	Groundwater quality monitoring	Piezometer MW12	Quarterly	Quarterly	1	SLW	August							
20	Groundwater quality monitoring	Piezometer MW13	Quarterly	Quarterly	1	SLW	August							
21	Groundwater quality monitoring	Piezometer MW14	Quarterly	Quarterly	1	SLW	August							
22	Groundwater quality monitoring	Piezometer MW15	Quarterly	Quarterly	1	SLW	August							
23	Groundwater quality monitoring	Piezometer MW06	Quarterly	Quarterly	1	SLW	August							
17	Groundwater quality monitoring	Piezometer MW10	Quarterly	Quarterly	1	SLW	November							
18	Groundwater quality monitoring	Piezometer MW11	Quarterly	Quarterly	1	SLW	November							
19	Groundwater quality monitoring	Piezometer MW12	Quarterly	Quarterly	1	SLW	November							
20	Groundwater quality monitoring	Piezometer MW13	Quarterly	Quarterly	1	SLW	November							
21	Groundwater quality monitoring	Piezometer MW14	Quarterly	Quarterly	1	SLW	November							
22	Groundwater quality monitoring	Piezometer MW15	Quarterly	Quarterly	1	SLW	November							
23	Groundwater quality monitoring	Piezometer MW06	Quarterly	Quarterly	1	SLW	November							
17	Groundwater quality monitoring	Piezometer MW10	Quarterly	Quarterly	1	SLW	February							
18	Groundwater quality monitoring	Piezometer MW11	Quarterly	Quarterly	1	SLW	February							
19	Groundwater quality monitoring	Piezometer MW12	Quarterly	Quarterly	1	SLW	February							
20	Groundwater quality monitoring	Piezometer MW13	Quarterly	Quarterly	1	SLW	February							
21	Groundwater quality monitoring	Piezometer MW14	Quarterly	Quarterly	1	SLW	February							
22	Groundwater quality monitoring	Piezometer MW15	Quarterly	Quarterly	1	SLW	February							
23	Groundwater quality monitoring	Piezometer MW06	Quarterly	Quarterly	1	SLW	February							
17	Groundwater quality monitoring	Piezometer MW10	Quarterly	Quarterly	1	SLW	May							
18	Groundwater quality monitoring	Piezometer MW11	Quarterly	Quarterly	1	SLW	May							
19	Groundwater quality monitoring	Piezometer MW12	Quarterly	Quarterly	1	SLW	May							
20	Groundwater quality monitoring	Piezometer MW13	Quarterly	Quarterly	1	SLW	May							
21	Groundwater quality monitoring	Piezometer MW14	Quarterly	Quarterly	1	SLW	May							
22	Groundwater quality monitoring	Piezometer MW15	Quarterly	Quarterly	1	SLW	May							
23	Groundwater quality monitoring	Piezometer MW06	Quarterly	Quarterly	1	SLW	May							

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CROP SAMPLES

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	Crop quality monitoring of irrigation area	Irrigation Bay 1	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 2	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 3	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 4	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 5	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 6	Annually	Annually	1	Composite Sample	March						
	Crop quality monitoring of irrigation area	Irrigation Bay 7	Annually	Annually	1	Composite Sample	March						

CROP SAMPLES

EPA LOCATION ID	TYPE OF MONITORING POINT	SAMPLING LOCATION DESCRIPTION	EPA SAMPLING FREQUENCY	LHH SAMPLE FREQUENCY	NUMBER OF SAMPLES	SAMPLE TYPE	SCHEDULED MONTH FOR COLLECTION	DATE COLLECTED	TIME COLLECTED	COLLECTED BY	SAMPLE WEIGHT/VOLUME TESTED	DATE OBTAINED FROM NATA LAB	NATA LAB REPORT REF NO.
	Crop quality monitoring of irrigation area	Irrigation Bay 1	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 2	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 3	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 4	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 5	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 6	Annually	Annually	1	Composite Sample	November						
	Crop quality monitoring of irrigation area	Irrigation Bay 7	Annually	Annually	1	Composite Sample	November						