

LICENSE DETAILS	LICENSEE:	LORIS H HASSALL TRADING PTY LTD
	PREMISES:	NEWELL HIGHWAY 812 PARKES ROAD
	LICENSE NUMBER:	12765
	REPORTING PERIOD:	11 NOVEMBER 2019 - 12 NOVEMBER 2020

IRRIGATION EFFLUENT

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	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	December	02-Dec-19	0700-0830	M. Churchill	2 Lts	13-Dec-19	55263 #1	18-Dec-19
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	January	15-Jan-20	0700-0800	M. Churchill	2 Lts	03-Feb-20	55562 #1	14-Feb-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	February	19-Feb-20	0800-0900	M. Churchill	2 Lts	12-Mar-20	55992 #1	23-Mar-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	March	18-Mar-20	0845-0945	M. Churchill	2 Lts	02-Apr-20	56242 #2	09-Apr-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	April	17-Apr-20	0745-0830	M. Churchill	2 Lts	07-May-20	56478 #2	20-May-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	May	13-May-20	0830-0930	M. Churchill	1935ml	03-Jun-20	56714 #1	10-Jun-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	June	26-Jun-20	0800-0830	N. Haley	1935ml	08-Jul-20	5125 #1	13-Jul-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	July	16-Jul-20	0930-1000	N. Haley	1935ML	31-Jul-20	5127 #1	05-Aug-20
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	August	NS	NS	N/A	NS	N/A	N/A	
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	September							
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	October							
1	Irrigation wastewater quality and volume monitoring	Sampling tap on pipe after pump	Quarterly	Monthly	1	Grab Sample	November							

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

IRRIGATION SLURRY SLUDGE

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
NA	Slurry quality monitoring	Sample collected from Irrigation Effluent pit	NA	Quarterly	1	Grab Sample	February	19-Feb-20	1030	M. Churchill	4.5 LTS	12-Mar-20	55992 #2	23-Mar-20
NA	Slurry quality monitoring	Sample collected from Irrigation Effluent pit	NA	Quarterly	1	Grab Sample	May	13-May-20	1000	M. Churchill	2305ml	03-Jun-20	56714 #2	10-Jun-20
NA	Slurry quality monitoring	Sample collected from Irrigation Effluent pit	NA	Quarterly	1	Grab Sample	August	NS	NS	N/A	N/A	N/A	N/A	
NA	Slurry quality monitoring	Sample collected from Irrigation Effluent pit	NA	Quarterly	1	Grab Sample	November							

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

SOIL 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.	PUBLISHED DATE
4	Soil quality monitoring of irrigation area	Irrigation Bay 1	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 2	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 3	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 4	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 5	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 6	Annually	Annually	4	Composite Sample	September							
4	Soil quality monitoring of irrigation area	Irrigation Bay 7	Annually	Annually	4	Composite Sample	September							

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

PIEZOMETERS

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
3	Groundwater quality monitoring	Piezometer 1	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1205	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 2	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1210	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 3	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1215	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 4	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1225	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 5	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1234	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 6	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	1245	M. Churchill	NS	NT	NT	23-Mar-20
3	Groundwater quality monitoring	Piezometer 1	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0815	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 2	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0745	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 3	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0725	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 4	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0700	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 5	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0650	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 6	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	0651	M. Churchill	NS	NT	NT	10-Jun-20
3	Groundwater quality monitoring	Piezometer 1	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0800	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 2	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0815	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 3	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0830	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 4	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0845	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 5	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0900	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 6	Quarterly	Quarterly	1	Grab Sample	August	26-Aug-20	0915	N. Haley	NS	NT	NT	04-Sep-20
3	Groundwater quality monitoring	Piezometer 1	Quarterly	Quarterly	1	Grab Sample	November							
3	Groundwater quality monitoring	Piezometer 2	Quarterly	Quarterly	1	Grab Sample	November							
3	Groundwater quality monitoring	Piezometer 3	Quarterly	Quarterly	1	Grab Sample	November							
3	Groundwater quality monitoring	Piezometer 4	Quarterly	Quarterly	1	Grab Sample	November							
3	Groundwater quality monitoring	Piezometer 5	Quarterly	Quarterly	1	Grab Sample	November							
3	Groundwater quality monitoring	Piezometer 6	Quarterly	Quarterly	1	Grab Sample	November							

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TREATED BRINE EFFLUENT

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	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	December	02-Dec-19	0700-0830	M. Churchill	2 Lts	13-Dec-19	55263 #2	18-Dec-19	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	January	15-Jan-20	0730	M. Churchill	2 Lts	03-Feb-20	55562 #2	14-Feb-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	February	NS	NS	NS	NS	NS	NS	23-Mar-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	March	18-Mar-20	0730	M. Churchill	2 Lts	02-Apr-20	56242 #1	09-Apr-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	April	17-Apr-20	0640	M. Churchill	2 Lts	07-May-20	56478 #1	20-May-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	May	13-May-20	0645	M. Churchill	1560ml	03-Jun-20	56714 #7	10-Jun-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	June	26-Jun-20	900	N. Haley	1935ml	08-Jul-20	5125 #2	13-Jul-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	July	17-Jul-20	0815	N. Haley	1935ml	31-Jul-20	5127 #2	05-Aug-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	August	13-Aug-20	1000	Ruben	18-Apr-05	03-Sep-20	5130	04-Sep-20	
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	September	02-Jan-00							
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	October								
NA	Treated Brine effluent quality and volume monitoring	Sampling tap on pipe after pump to evaporation pans	NA	Monthly	1	Grab Sample	November								

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

EVAPORATION PANS

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 Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	0800	M. Churchill	2 Lts	12-Mar-20	55992 #5	23-Mar-20
5	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	0830	M. Churchill	2 Lts	12-Mar-20	55992 #6	23-Mar-20
6	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	February	19-Feb-20	0900	M. Churchill	2 Lts	12-Mar-20	55992 #7	23-Mar-20
2	Treated Brine effluent quality monitoring	From Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	1222	M. Churchill	1810	03-Jun-20	56714 #8	10-Jun-20
5	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	1210	M. Churchill	1810	03-Jun-20	56714 #9	10-Jun-20
6	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	May	13-May-20	1200	M. Churchill	1810	03-Jun-20	56714 #10	10-Jun-20
2	Treated Brine effluent quality monitoring	From Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	August	21-Aug-20	0820	N. Haley	2 Lts			
5	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	August	21-Aug-20	0872	N. Haley	2 Lts			
6	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	August	21-Aug-20	0838	N. Haley	2 Lts			
2	Treated Brine effluent quality monitoring	From Pan 1 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
5	Treated Brine effluent quality monitoring	From Pan 2 Insitu	Quarterly	Quarterly	1	Grab Sample	November							
6	Treated Brine effluent quality monitoring	From Pan 3 Insitu	Quarterly	Quarterly	1	Grab Sample	November							

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