APPENDIX F – CHAIN OF CUSTODY DOCUMENTATION FOR 1 JULY 2020 TO 30 JUNE 2021

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab — Unit F3 Building F, 16 Mars Road, Lane Cove West, NSW 2066 P: +61 2 9900 8400 E: EnviroSampleNSW@eurofins.com.au

☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingsline Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	10 / 7 /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200ml Plastic - RED Metals; 60ml Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	Site 5	6/7/20	W							X	X	X	X	X						1			2				
2	Site 1	6/7/20	W							X	X	X	X	X						1			2				
3	Site 2	6/7/20	W							X	X	X	X	X						1			2				
4	GS 200	6/7/20	W							X	X	X	X	X						1			2				
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	Ashvin Desai	Date	10/7/2020	Time	9.22	Signature	adesai	Temperature	2.1C	Report №	730981

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145
		Eurofins | mgt Quote №	1801030NTR
Address	Old Rum Jungle Rd, Batchelor, NT, 0845		
Contact Name	Greg Molloy		
Contact Phone №	Mobile: 0437 690 958		
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat		
Relinquished by (Signature) (Time / Date)	/ /2020		

Project Manager	Greg Molloy
Project №	NT Resources
Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au

Turn Around Requirements: ☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 4B	10/7/20	W	X	X	X	X	X						1		2		
2	BH 24	10/7/20	W	X	X	X	X	X						1		2		
3	BH 24	10/7/20	W	X	X	X	X	X						1		2		
4	BH 22	10/7/20	W	X	X	X	X	X						1		2		
5	BH 12C	10/7/20	W	X	X	X	X	X						1		2		
6	BH 13B	10/7/20	W	X	X	X	X	X						1		2		
7	BH 4G	10/7/20	W	X	X	X	X	X						1		2		
8	BH 4D	11/7/20	W	X	X	X	X	X						1		2		
9	BH 4E	11/7/20	W	X	X	X	X	X						1		2		
10	BH 23	11/7/20	W	X	X	X	X	X						1		2		
11	BH 21	11/7/20	W	X	X	X	X	X						1		2		
12	BH 19A	12/7/20	W	X	X	X	X	X						1		2		

Laboratory Use Only	Received By		Date	14 / 7 /2020	Time	9:30	Signature		Temperature		Report №	731544

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 20 A	12/7/20	W	X	X	X	X					1		2		
2	BH 20 B	12/7/20	W	X	X	X	X					1		2		
3	Site 1	13/7/20	W					X	X	X	X	1		2		
4	Site 2	13/7/20	W					X	X	X	X	1		2		
5	GS200	13/7/20	W					X	X	X	X	1		2		
6	Site 5	13/7/20	W					X	X	X	X	1		2		
7	Site 5	13/7/20	W					X	X	X	X	1		2		
8																
9																
10																
11																
12																

Laboratory Use Only	Received By	Ashvin Desai	Date	13/07/2020	Time	3:30PM	Signature	adw	Temperature 20.1C	Report №

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CHAIN OF CUSTODY RECORD

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR
Contact Name	Greg Molloy	Project Manager	Greg Molloy
Contact Phone №	Mobile: 0437 690 958	Project №	NT Resources
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat	Project Name	NT Resources
Relinquished by (Signature) (Time / Date)	22/7/2020	Electronic Results Format	ESDAT
		Email for Results	Greg.Molloy@NTResources.com.au
		Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
		Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe., Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe., Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	20/7/20	W					X	X	X	X	X	1		2	
2	Site 5	20/7/20	W					X	X	X	X	X	1		2	
3	Site 2	20/7/20	W					X	X	X	X	X	1		2	
4																
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only	Received By	Ashvin Desai	Date	22/07/2020	Time	1:23PM	Signature	adw	Temperature	10.4C	Report №	733241

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	4/9/2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* *Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	Containers: 500ml Plastic - GREEN Inorganics	Containers: 200mL Plastic - RED Metals	Containers: 50mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 22	1/9/20	W	X	X	X	X	X								
2	BH 22	1/9/20	W	X	X	X	X	X				1			2	
3	BH 24	1/9/20	W	X	X	X	X	X				1			2	
4												1			2	
5																
6																
7																
8																
9																
10																
11																
12																

Method of Shipment: ☑ Courier (#) ☑ Hand Delivered ☐ Postal

Laboratory Use Only									
Received By	Ashvin Desai	Date	04/09/2020	Time	2:15PM	Signature	adm	Temperature	6.6 C
Report №	742165								

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	17/9/2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 50mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	50mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	SITE 1	15/9/20	W							X	X	X	X	X						1			2					
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Laboratory Use Only	Received By	Ashvin Desai	Date	17/09/2020	Time	3:15PM	Signature		Temperature	10.1C	Report №	746810

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CHAIN OF CUSTODY RECORD

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surface water: Suite B11E	Surface water: Suite B11D	Surface water: Suspended Solids	Surface water: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 24	28/9/20	W	X	X	X	X	X				1			2	
2	BH 24	28/9/20	W	X	X	X	X	X				1			2	
3	BH 23	28/9/20	W	X	X	X	X	X				1			2	
4	BH 22	28/9/20	W	X	X	X	X	X				1			2	
5	BH 12C	29/9/20	W	X	X	X	X	X				1			2	
6	BH 4G	29/9/20	W	X	X	X	X	X				1			2	
7	BH 4B	29/9/20	W	X	X	X	X	X				1			2	
8	BH 4E	29/9/20	W	X	X	X	X	X				1			2	
9	BH 4D	29/9/20	W	X	X	X	X	X				1			2	
10	BH 19B	30/9/20	W	X	X	X	X	X				1			2	
11	BH 20B	30/9/20	W	X	X	X	X	X				1			2	
12																

Containers: 1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☑ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Ashvin Deva	Date	01/10/2020	Time	3:40PM	Signature		Temperature 22.1C	Report № 748053

NM

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CHAIN OF CUSTODY RECORD

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200ml Plastic - RED Metals; 60ml Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe., Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Co, Cu Fe., Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	BH 24	30/11/20	W	X	X	X	X	X							1			2	
2	BH 24	30/11/20	W	X	X	X	X	X							1			2	
3	BH 22	30/11/20	W	X	X	X	X	X							1			2	
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashvin Desai	Date	30/11/2020	Time	12.15AM	Signature	adw	Temperature	26.5	Report №	760130

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)							Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	site 5	21/12/20	W						X	X	X	X	X						1			2					
2	site 5	21/12/20	W						X	X	X	X	X						1			2					
3	site 2	21/12/20	W						X	X	X	X	X						1			2					
4	site 4	21/12/20	W						X	X	X	X	X						1			2					
5	WAND 01	21/12/20	W						X	X	X	X	X						1			2					
6	GS 200	21/12/20	W						X	X	X	X	X						1			2					
7	Site1	21/12/20	W						X	X	X	X	X						1			2					
8	TREAT1	21/12/20	W						X	X	X	X	X						1			2					
9																											
10																											
11																											
12																											

Method of Shipment: ☑ Courier (#) ☑ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Ashwin Desai	Date	21/12/2020	Time	12:35PM	Signature	adw	Temperature	11.1C	Report №	765347

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment
Relinquished by (Signature) (Time / Date)	____ / /2020						☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)			Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	site 5	21/12/20	W							X	X	X	X	X							1			2				
2	site 5	21/12/20	W							X	X	X	X	X							1			2				
3	site 2	21/12/20	W							X	X	X	X	X							1			2				
4	Site 4	21/12/20	W							X	X	X	X	X							1			2				
5	WAND 01	21/12/20	W							X	X	X	X	X							1			2				
6	GS 200	21/12/20	W							X	X	X	X	X							1			2				
7	Site1	21/12/20	W							X	X	X	X	X							1			2				
8	TREAT 1	21/12/20	W							X	X	X	X	X							1			2				
9																												
10																												
11																												
12																												

Laboratory Use Only	Received By		Date	__/__/2020	Time	__:__	Signature		Temperature		Report №	

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	30 / 12 /2020				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (*Note: Where metals are requested, please specify "Total" or "Filtered"*)

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	Site 5	28/12/20	W						X	X	X	X	X						1			2				
2	Site 5	28/12/20	W						X	X	X	X	X						1			2				
3	Site 2	28/12/20	W						X	X	X	X	X						1			2				
4	Site 4	28/12/20	W						X	X	X	X	X						1			2				
5	WAND 01	28/12/20	W						X	X	X	X	X						1			2				
6	GS 200	28/12/20	W						X	X	X	X	X						1			2				
7	Site 1	28/12/20	W						X	X	X	X	X						1			2				
8	TREAT 1	28/12/20	W						X	X	X	X	X						1			2				
9																										
10																										
11																										
12																										

Date/Time
Chiller No: 0
Temp: 14.6
Correction: -0.3
Final Temp: 14.3

Laboratory Use Only	Received By	Date	Time	Signature	Temperature	Report №
	Canh To	31/12/2020	12:30pm		14.3	# 761944

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P +61 3 8564 5000 F +61 3 8564 5099 E EnviroSampleVIC@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	8/1/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200ml Plastic - RED Metals; 60ml Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	GS 200	7/1/21	W						X	X	X	X	X	1		2		
2	Site 5	7/1/21	W						X	X	X	X	X	1		2		
3	Site 5	7/1/21	W						X	X	X	X	X	1		2		
4	Site 1	7/1/21	W						X	X	X	X	X	1		2		
5	Site 4	7/1/21	W						X	X	X	X	X	1		2		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

0
27.3
+1.5
28.8

Laboratory Use Only	Received By	Mollie Reeve	Date	11/1/2020	Time	12:19	Signature		Temperature	28.8	Report №	766692

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Mollie Reeve

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	8 / /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)	CL	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	4/1/21	W							X	X	X	X	X	X	1		2		
2	Site 5	4/1/21	W							X	X	X	X	X	X	1		2		
3	Site 2	4/1/21	W							X	X	X	X	X	X	1		2		
4	Site 4	4/1/21	W							X	X	X	X	X	X	1		2		
5	WAND 01	4/1/21	W							X	X	X	X	X	X	1		2		
6	GS 200	4/1/21	W							X	X	X	X	X	X	1		2		
7	Site 1	4/1/21	W							X	X	X	X	X	X	1		2		
8																				
9																				
10																				
11																				
12																				

Date Time: Initial Temp: 27.3 +1.5 28.8 MR

Laboratory Use Only	Received By	Molly Reen	Date	1/1/2020	Time	12:19p	Signature		Temperature	28.8	Report №	

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Mollie Reen 766695

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	Brady Johnson 1550 11/1/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	11/1/21	W							X	X	X	X	X	1			2	
2	Site 5	11/1/21	W							X	X	X	X	X	1			2	
3	Site 2	11/1/21	W							X	X	X	X	X	1			2	
4	Site 4	11/1/21	W							X	X	X	X	X	1			2	
5	WAND 01	11/1/21	W							X	X	X	X	X	1			2	
6	GS 200	11/1/21	W							X	X	X	X	X	1			2	
7	Site 1	11/1/21	W							X	X	X	X	X	1			2	
8																			
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashvin Desai	Date	11/01/2021	Time	15:28	Signature		Temperature	10.8C	Report №	766920

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Nik M.

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by	Barry Johnson				
(Signature)					
(Time / Date)	1530 11/1/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)					1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	GS200	10/1/21	W							X	X	X	X	X					1		2					
2	SITE5	10/1/21	W							X	X	X	X	X					1		2					
3	SITE5	10/1/21	W							X	X	X	X	X					1		2					
4	SITE1	10/1/21	W							X	X	X	X	X					1		2					
5	SITE4	10/1/21	W							X	X	X	X	X					1		2					
6																										
7																										
8																										
9																										
10																										
11																										
12																										

Laboratory Use Only	Received By	Ashvin Desai	Date	11/01/2021	Time	15:28	Signature		Temperature	10.5C	Report № 767020

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QS3009_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

NKH

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	19/1/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	18/1/21	W					X	X	X	X	X	1		2	
2	Site 5	18/1/21	W					X	X	X	X	X	1		2	
3	Site 2	18/1/21	W					X	X	X	X	X	1		2	
4	Site 4	18/1/21	W					X	X	X	X	X	1		2	
5	WAND 01	18/1/21	W					X	X	X	X	X	1		2	
6	GS 200	18/1/21	W					X	X	X	X	X	1		2	
7	Site 1	18/1/21	W					X	X	X	X	X	1		2	
8	TREAT 1	18/1/21	W					X	X	X	X	X	1		2	
9																
10																
11																
12																

Containers: 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals

Method of Shipment: ☑ Courier (#) ☑ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	Ashwin	Date	19/01/2021	Time	1:42	Signature		Temperature	14.1C	Report № 768310

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CHAIN OF CUSTODY RECORD

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers / Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal
Relinquished by (Signature) (Time / Date)	/ /2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	DAMOUT 1	25.1.21	W							X	X	X	X	X						1		2					
2	GS 200	25.1.21	W							X	X	X	X	X						1		2					
3	SITE 5	25.1.21	W							X	X	X	X	X						1		2					
4	SITE 5	25.1.21	W							X	X	X	X	X						1		2					
5	SITE 1	25.1.21	W							X	X	X	X	X						1		2					
6	SITE 4	25.1.21	W							X	X	X	X	X						1		2					
7	TRGAT 01	25.1.21	W							X	X	X	X	X						1		2					
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	Ashvin	Date	25/01/2021	Time	1:20PM	Signature	adi	Temperature	24.2C	Report №	769535

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	25.1.21	W							X	X	X	X	X	1			2	
2	SITE 5	25.1.21	W							X	X	X	X	X	1			2	
3	SITE 2	25.1.21	W							X	X	X	X	X	1			2	
4	SITE 4	25.1.21	W							X	X	X	X	X	1			2	
5	WANO 01	25.1.21	W							X	X	X	X	X	1			2	
6	BS200	25.1.21	W							X	X	X	X	X	1			2	
7	SITE 1	25.1.21	W							X	X	X	X	X	1			2	
8	TREAT 01	25.1.21	W							X	X	X	X	X	1			2	
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashvin	Date	25/01/2021	Time	1:20PM	Signature	adi	Temperature	25.2C	Report №	769539

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment
Relinquished by (Signature) (Time / Date)	/ /2021						☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	GS 200A	25/1/21	W							X	X	X	X	X						1			2				
2	SITO 5	25/1/21	W							X	X	X	X	X						1			2				
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	Ashvin	Date	25/01/2021	Time	1:20PM	Signature	adw	Temperature	25.0C	Report №	769540

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	1000 5/2/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	1.2.21	W							X	X	X	X	X	1			2	
2	SITE 5	12.21	W							X	X	X	X	X	1			2	
3	SITE 2	1.2.21	W							X	X	X	X	X	1			2	
4	SITE 4	1.2.21	W							X	X	X	X	X	1			2	
5	WAND 01	1.2.21	W							X	X	X	X	X	1			2	
6	GS200	1.2.21	W							X	X	X	X	X	1			2	
7	SITE 1	1.2.21	W							X	X	X	X	X	1			2	
8	TROUT 01	1.2.21	W							X	X	X	X	X	1			2	
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashvin	Date	5/02/2021	Time	10:50AM	Signature		Temperature	3.5C	Report №	271936

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☐ Eurofins | mgt Melbourne Lab — P: +61 3 8564 5000 F: +61 3 8564 5090 — E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no do not spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	Peter Stewart				
(Time / Date)	10AM 11/2/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	GS 200	10.2.21	W							x	x	x	x	x						1			2					
2	SITE 5	10.2.21	W							x	x	x	x	x						1			2					
3	SITE 5	10.2.21	W							x	x	x	x	x						1			2					
4	SITE 1	10.2.21	W							x	x	x	x	x						1			2					
5	SITE 4	10.2.21	W							x	x	x	x	x						1			2					
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Laboratory Use Only	Received By	Ashvin	Date	11/02/2021	Time	10:00	Signature	adam	Temperature	8.2	Report №	773232

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	Peter Stevens				
(Time / Date)	10 AM 11/12/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe., Pb, Mn, Ni, U, Zn)							Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	GS 200	7.2.21	W							x	x	x	x	x							1			2					
2	SITE 5	7.2.21	W							x	x	x	x	x							1			2					
3	SITE 5	7.2.21	W							x	x	x	x	x							1			2					
4	SITE 1	7.2.21	W							x	x	x	x	x							1			2					
5	SITE 4	7.2.21	W							x	x	x	x	x							1			2					
6	TRIP 01	7.2.21	W							x	x	x	x	x							1			2					
7																													
8																													
9																													
10																													
11																													
12																													

Laboratory Use Only	Received By	Ashvin	Date	11/12/2021	Time	10:00	Signature		Temperature	8.0C	Report №	773233

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)	PETER SCAMMY				
(Time / Date)	10 AM 11 / 2 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	8.2.21	W							x	x	x	x	x	1			2	
2	SITE 5	8.2.21	W							x	x	x	x	x	1			2	
3	SITE 2	8.2.21	W							x	x	x	x	x	1			2	
4	SITE 4	8.2.21	W							x	x	x	x	x	1			2	
5	WAND 01	8.2.21	W							x	x	x	x	x	1			2	
6	GS 200	8.2.21	W							x	x	x	x	x	1			2	
7	SITE 1	8.2.21	W							x	x	x	x	x	1			2	
8	TREAT 01	8.2.21	W							x	x	x	x	x	1			2	
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashvin	Date	11/02/2021	Time	10:00	Signature		Temperature	7.5	Report №	773234

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	11:20AM/21 2/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☑ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	GS 200 A	12/2/21	W							X	X	X	X	X	1			2	
2	Site 5A	12/2/21	W							X	X	X	X	X	1			2	
3	DAMOUT 1	12/2/21	W							X	X	X	X	X	1			2	
4	Site 1	12/2/21	W							X	X	X	X	X	1			2	
5	Site 5	12/2/21	W							X	X	X	X	X	1			2	
6	Site 5	12/2/21	W							X	X	X	X	X	1			2	
7	Site 4	12/2/21	W							X	X	X	X	X	1			2	
8	GS 200	12/2/21	W							X	X	X	X	X	1			2	
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	Ashwin	Date	12/02/2021	Time	11:25AM	Signature	ashwin	Temperature	17.8C	Report № 473595

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 | P: +61 7 3902 4600 | E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 | P: +61 3 8564 5000 | F: +61 3 8564 5080 | E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment: ☑ Courier (#) ☑ Hand Delivered ☐ Postal
Relinquished by (Signature) (Time / Date)	18/2/2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)					1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	Site 5	15/2/21	W						X	X	X	X	X					1			2				
2	Site 5	15/2/21	W						X	X	X	X	X					1			2				
3	Site 2	15/2/21	W						X	X	X	X	X					1			2				
4	Site 4	15/2/21	W						X	X	X	X	X					1			2				
5	WAND 01	15/2/21	W						X	X	X	X	X					1			2				
6	GS 200	15/2/21	W						X	X	X	X	X					1			2				
7	Site 1	15/2/21	W						X	X	X	X	X					1			2				
8	TREAT 1	15/2/21	W						X	X	X	X	X					1			2				
9																									
10																									
11																									
12																									

Laboratory Use Only	Received By	Ashwin Desai	Date	18/02/2021	Time	15:15	Signature	adi	Temperature	4.1C	Report №	775056

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Jake

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5080 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	24/2/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	SITE 5	22/2·21	SW							X	X	X	X	X						1			2					
2	SITE 5	22·2·21	SW							X	X	X	X	X						1			2					
3	SITE 2	22·2·21	SW							X	X	X	X	X						1			2					
4	SITE 4	22·2·21	SW							X	X	X	X	X						1			2					
5	WAND 01	22·2·21	SW							X	X	X	X	X						1			2					
6	GS 200	22·2·21	SW							X	X	X	X	X						1			2					
7	SITE 1	22·2·21	SW							X	X	X	X	X						1			2					
8	TREAT 01	22·2·21	SW							X	X	X	X	X						1			2					
9																												
10																												
11																												
12																												776508BL

Laboratory Use Only	Received By		Date	__/__/2020	Time	__:__	Signature		Temperature		Report №	

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172; P: +61 7 3902 4600; E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166; P: +61 3 8564 5000; F: +61 3 8564 5090; E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	9 / 3 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	SITE 5	1-3-21	W							X	X	X	X	X						1			2				
2	SITE 5	1.3.21	W							X	X	X	X	X						1			2				
3	SITE 2,	1.3.21	W							X	X	X	X	X						1			2				
4	SITE 4	1.3.21	W							X	X	X	X	X						1			2				
5	WAND 01	1.3.21	W							X	X	X	X	X						1			2				
6	GS 200	1.3.21	W							X	X	X	X	X						1			2				
7	SITE 1	1.3.21	W							X	X	X	X	X						1			2				
8	TREAT 01	1.3.21	W							X	X	X	X	X						1			2				
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	MM	Date	3 / 3 /2021	Time	1 : 30	Signature	Temperature	0.8	Report №	778099132

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	3 / 3 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	GS 200	3·3·21	W					X	X	X	X	X	1		2	
2	SITE 5	3·3·21	W					X	X	X	X	X	1		2	
3	SITE 5	3·3·21	W					X	X	X	X	X	1		2	
4	SITE 1	3·3·21	W					X	X	X	X	X	1		2	
5	SITE 4	3·3·21	W					X	X	X	X	X	1		2	
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only	Received By	Mm.	Date	3 / 3 /2021	Time	1:30	Signature		Temperature	0.8	Report № 778104BL

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	3 / 3 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	GS8150200 A	3·3·21	W							X	X	X	X	X						1			2				
2	SITE 5 A	3·3·21	W							X	X	X	X	X						1			2				
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	MM	Date	3 / 3 /2021	Time	1:30	Signature		Temperature	0.8	Report №	778106

QS3009_XXXX Issue Date: XX XX 2015 Approved by: XXXXXX

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	10/3/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200ml Plastic - RED Metals; 60ml Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	Surfacewater	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60ml Plastic - RED Metals	Sample Comments / DG Hazard Warning
				Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						
1	SITE 5	8.3.21	W						x	x	x	x	x	1			2	
2	SITE 5	8.3.21	W						x	x	x	x	x	1			2	
3	SITE 2	8.3.21	W						x	x	x	x	x	1			2	
4	SITE 4	8.3.21	W						x	x	x	x	x	1			2	
5	WAN001	8.3.21	W						x	x	x	x	x	1			2	
6	GS200	8.3.21	W						x	x	x	x	x	1			2	
7	SITE 1	8.3.21	W						x	x	x	x	x	1			2	
8	TREAT01	8.3.21	W						x	x	x	x	x	1			2	
9																		
10																		780093
11																		Jake
12																		

Laboratory Use Only	Received By	Nisitha. D	Date	10/03/2020	Time	04:35 pm	Signature		Temperature		Report №	10.4-103/9.1

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	10/3/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	DAMOUT 1	3.3.21	W							x	x	x	x	x						1			2				
2	GS 200	3.3.21	W							x	x	x	x	x						1			2				
3	SITE 5	3.3.21	W							x	x	x	x	x						1			2				
4	SITE 5	3.3.21	W							x	x	x	x	x						1			2				
5	SITE 1	3.3.21	W							x	x	x	x	x						1			2				
6	SITE 4	3.3.21	W							x	x	x	x	x						1			2				
7	TREAT01	3.3.21	W							x	x	x	x	x						1			2				
8																											
9																											
10																											780095
11																											Jake
12																											

Laboratory Use Only	Received By	Nesitha. D	Date	03/03/2021	Time	04:35pm	Signature		Temperature	-10.4 / 1.4 / 9.1	Report №

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☐ Eurofins | mgt Melbourne Lab — 2 Kingsland Town Close, Oakleigh, VIC 3166; P: +61 3 8564 5000, F: +61 3 8564 5090; E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	/ /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	GS 200	18.3.21	W							x	x	x	x	x	1		2		
2	SITE 5	18.3.21	W							x	x	x	x	x	1		2		
3	SITE 5	18.3.21	W							x	x	x	x	x	1		2		
4	SITE 4	18.3.21	W							x	x	x	x	x	1		2		
5	SITE 1	18.3.21	W							x	x	x	x	x	1		2		
6	TRIPATO1	18.3.21	W							x	x	x	x	x	1		2		
7																			
8																			
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	S.Ownsworth	Date	19/3/2020	Time	11:00	Signature		Temperature	1.4 - 1.3 0.6°C	Report № 782067

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Contact Name	Greg Molloy					Email for Results	Greg.Molloy@NTResources.com.au
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal
Relinquished by (Signature) (Time / Date)	/ /2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	15·3·21	W					✗	✗	✗	✗	1			2	
2	SITE 5	15·3·21	W					✗	✗	✗	✗	1			2	
3	SITE 2	15·3·21	W					✗	✗	✗	✗	1			2	
4	SITE 4	15·3·21	W					✗	✗	✗	✗	1			2	
5	WANDO 1	15·3·21	W					✗	✗	✗	✗	1			2	
6	GS200	15·3·21	W					✗	✗	✗	✗	1			2	
7	SITE 1	15·3·21	W					✗	✗	✗	✗	1			2	
8																
9																
10																
11																
12																

Laboratory Use Only	Received By	S. Ounsworth	Date	19/3/2020	Time	11:00	Signature		Temperature	1.8 - 1.3 0.5°C	Report №	782061

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☐ Eurofins | mgt Melbourne Lab — 3 Kingston Town Close Oakleigh VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	24 / 3 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)					1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	Site 5	21/3/21	W							X	X	X	X	X					1			2					
2	Site 5	21/3/21	W							X	X	X	X	X					1			2					
3	Site 2	21/3/21	W							X	X	X	X	X					1			2					
4	Site 4	21/3/21	W							X	X	X	X	X					1			2					
5	WAND 01	21/3/21	W							X	X	X	X	X					1			2					
6	TREAT 01	21/3/21	W							X	X	X	X	X					1			2					
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	S. Ounsworth	Date	24/3/2021	Time	13:20	Signature		Temperature	2.9+1.3 1.6	Report № 789012 L.Burgess EP

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 — P +61 7 3902 4600 — E EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 — P +61 3 8564 5000 — F +61 3 8564 5090 — E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Address	Old Rum Jungle Rd, Batchelor, NT, 0845					Email for Results	Greg.Molloy@NTResources.com.au
Contact Name	Greg Molloy						
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction*	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	24/3/2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Containers: 1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5 A	22/3/21	W					X	X	X	X	1			2	
2	Site 5	22/3/21	W					X	X	X	X	1			2	
3	Site 5.	22/3/21	W					X	X	X	X	1			2	
4	Site 2	22/3/21	W					X	X	X	X	1			2	
5	Site 4	22/3/21	W					X	X	X	X	1			2	
6	WAND 01	22/3/21	W					X	X	X	X	1			2	
7	TREAT 01	22/3/21	W					X	X	X	X	1			2	
8	DAMOUT 1	22/3/21	W					X	X	X	X	1			2	
9																
10																
11																Bryce Logan
12																Eurofins

☐ Courier (#)
☐ Hand Delivered
☐ Postal

Laboratory Use Only	Received By	S. Ounsworth	Date	24/3/2021	Time	1320	Signature		Temperature	2.9-1.3 1.6	Report №	783019

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172; P +61 7 3902 4600; E EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166; P +61 3 8564 5000; F +61 3 8564 5090; E EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	/ /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	SITE 5	29/3/21	W							X	X	X	X	X						1		2					
2	SITE 5	29/3/21	W							X	X	X	X	X						1		2					
3	SITE 2	29/3/21	W							X	X	X	X	X						1		2					
4	SITE 4	29/3/21	W							X	X	X	X	X						1		2					
5	WANOO1	29/3/21	W							X	X	X	X	X						1		2					
6	TREAT01	29/3/21	W							X	X	X	X	X						1		2					
7																											
8																											
9																											
10																											
11																											Nikolaos Makrakis
12																											

Laboratory Use Only	Received By	S. Ounsworth	Date	31/3/2021	Time	11.10	Signature		Temperature	10.0-1.0 0°	Report №	784672

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☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Address	Old Rum Jungle Rd, Batchelor, NT, 0845					Email for Results	Greg.Molloy@NTResources.com.au
Contact Name	Greg Molloy						
Contact Phone №	Mobile: 0437 690 958					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat					Containers	Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal
Relinquished by (Signature) (Time / Date)	14/4/2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	Site 5	5/4/21	W							X	X	X	X	X						1			2				
2	Site 5	5/4/21	W							X	X	X	X	X						1			2				
3	Site 2	5/4/21	W							X	X	X	X	X						1			2				
4	Site 4	5/4/21	W							X	X	X	X	X						1			2				
5	WAN001	5/4/21	W							X	X	X	X	X						1			2				
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Laboratory Use Only	Received By	S. Ounsworth	Date	13/4/2021	Time	1550	Signature		Temperature	2.1-1.0 1.10C	Report №	787444

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Jake

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172; P: +61 7 3902 4600; E: EnviroSampleQLD@eurofins.com.au

Day 7 sample

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh VIC 3166; P: +61 3 8564 5000; F: +61 3 8564 5090; E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	14/4/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals					Sample Comments / DG Hazard Warning
1	SITE 5	12/4/21	W							X	X	X	X	X						1			2					
2	SITE 5	12/4/21	W							X	X	X	X	X						1			2					
3	SITE 4	12/4/21	W							X	X	X	X	X						1			2					
4	TREAT 01	12/4/21	W							X	X	X	X	X						1			2					
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Laboratory Use Only	Received By	S.Ounsworth	Date	13/4/2021	Time	15:50	Signature		Temperature	7.3-1.0 6.3°C	Report № 787455

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

Weekly

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	14/4/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200ml Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	12/4/21	W							X	X	X	X	X	1			2	
2	SITE 5	12/4/21	W							X	X	X	X	X	1			2	
3	SITE 2	12/4/21	W							X	X	X	X	X	1			2	
4	SITE 4	12/4/21	W							X	X	X	X	X	1			2	
5	WAND01	12/4/21	W							X	X	X	X	X	1			2	
6	TREAT01	12/4/21	W							X	X	X	X	X	1			2	
7																			
8																			
9																			
10																			
11																			
12																			

Laboratory Use Only	Received By	S Ounsworth	Date	13/4/2021	Time	15:50	Signature		Temperature 6.5-1.0 5.5°C ICE
Report №	787456								

Jake

QS3009_XXXX Issue Date XX XX 2015 Approved by XXXXXX

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☐ Eurofins | mgt Sydney Lab ☐ Eurofins | mgt Brisbane Lab ☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy	Project Name	NT Resources
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources	Electronic Results Format	ESDAT
Address	Old Rum Jungle Rd, Batchelor, NT, 0845					Email for Results	Greg.Molloy@NTResources.com.au
Contact Name	Greg Molloy					Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem) * Surcharges apply
Contact Phone №	Mobile: 0437 690 958						
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat						
Relinquished by (Signature) (Time / Date)	16/4/2021						

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)						1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals				Sample Comments / DG Hazard Warning
1	SITE 5	14/4/21	W							X	X	X	X	X						1			2				
2	SITE 5	14/4/21	W							X	X	X	X	X						1			2				
3	SITE 4	14/4/21	W							X	X	X	X	X						1			2				
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											N.L.M.

Containers

Method of Shipment: ☑ Courier (#) ☐ Hand Delivered ☐ Postal

Laboratory Use Only	Received By	S.Ounsworth	Date	16/4/2021	Time	12:45	Signature		Temperature	1.3-1.0 0.3°C ICE	Report №	783557

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172. P: +61 7 3902 4600. E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166. P: +61 3 8564 5000. F: +61 3 8564 5090. E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	21 / 4 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* (* Surcharges apply) ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)		Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	RWTSF	20/4	W							X	X	X	X	X	1			2	
2	RW SRO	20/4	W							X	X	X	X	X	1			2	
3	RW PAF	20/4	W							X	X	X	X	X	1			2	
4	RW SP3	20/4	W							X	X	X	X	X	1			2	
5	RW BSS	20/4	W							X	X	X	X	X	1			2	
6	Site 5	20/4	W							X	X	X	X	X	1			2	
7	Site 5	20/4	W							X	X	X	X	X	1			2	
8	Site 2	20/4	W							X	X	X	X	X	1			2	
9	WANDO1	20/4	W							X	X	X	X	X	1			2	
10	TREAT01	20/4	W							X	X	X	X	X	1			2	
11																			Bryce Logan Eurofins
12																			

Laboratory Use Only	Received By	S.Ounsworth	Date	21/4/2020	Time	14:40	Signature		Temperature	2.6-1.0 1.6°C	Report №	789469

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FW: Eurofins Sample Receipt Advice - Report 789469 : Site NT RESOURCES (NT RESOURCES)

Greg Molloy <Greg.Molloy@ntresources.com.au>
Fri 23/04/2021 9:06 AM

To: #AU_CAU001_EnviroSampleVic <EnviroSampleVic@eurofins.com>
Cc: Steve Bastick <Steve.Bastick@ntresources.com.au>

3 attachments (385 KB)
789469_COC.pdf; 789469_sample_receipt_coc.pdf; 789469_summary.pdf;

Hi Bryce

Ive spoke to our site staff. It appears the Site4 sample wasn't recorded on the CoC by mistake.

You have it down as Site9 , but its actually Site4

appologies

thanks

From: EnviroSampleVic@eurofins.com <EnviroSampleVic@eurofins.com>
Sent: Thursday, 22 April 2021 9:06 PM
To: Greg Molloy <Greg.Molloy@ntresources.com.au>
Subject: Eurofins Sample Receipt Advice - Report 789469 : Site NT RESOURCES (NT RESOURCES)

Dear Valued Client,

Extra SITE 9 sample logged for hold

Please find attached a Sample Receipt Advice (SRA), a Summary Sheet and a scanned copy of your Chain-of-Custody (COC). It is important that you check this documentation to ensure that the details are correct such as the Client Job Number, Turn Around Time, any comments in the Notes section and sample numbers as well as the requested analysis. If there are any irregularities then please contact your Eurofins Analytical Services Manager as soon as possible to make certain that they get changed.

Regards

Bryce Logan
Sample Receipt

Eurofins | Environment Testing
6 Monterey Road
Dandenong South VIC 3175
AUSTRALIA
Phone:+61 3 8564 5046
Email: Envirosamplevic@eurofins.com
Website:environment.eurofins.com.au

CHAIN OF CUSTODY RECORD

☐ Eurofins | mgt Sydney Lab ☐ Eurofins | mgt Brisbane Lab ☐ Eurofins | mgt Melbourne Lab

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	29 / 4 /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater	Suite B11E	Suite B11D	Suspended Solids	Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	27.4.21	W						X	X	X	X	X	1		2		
2	SITE 5B	27.4.21	W						X	X	X	X	X	1		2		
3	SITE 2	27.4.21	W						X	X	X	X	X	1		2		
4	SITE 4	27.4.21	W						X	X	X	X	X	1		2		
5	WANDO1	27.4.21	W						X	X	X	X	X	1		2		
6	TREAT 01	27.4.21	W						X	X	X	X	X	1		2		
7																		
8																		
9																		
10																		
11																		Nikolaos M.
12																		

Laboratory Use Only	Received By	S.Ainsworth	Date	29 / 4 /2021	Time	13:55	Signature		Temperature	1.0-1.0 = 0°C ICE	Report № 791615

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CHAIN OF CUSTODY RECORD

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Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature)					
(Time / Date)	/ /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200ml Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	SITE 5	4.5.21	W					X	X	X	X	X	1		2	
2	SITE 5B	4.5.21	W					X	X	X	X	X	1		2	
3	SITE 2	4.5.21	W					X	X	X	X	X	1		2	
4	SITE 4	4.5.21	W					X	X	X	X	X	1		2	
5	WANDO1	4.5.21	W					X	X	X	X	X	1		2	
6	GS 200	4.5.21	W					X	X	X	X	X	1		2	
7	SITE 1	4.5.21	W					X	X	X	X	X	1		2	
8	BH 22	6.5.21	W	X	X	X	X	X					1		2	
9	BH 24	6.5.21	W	X	X	X	X	X					1		2	
10	BH 24 B	6.5.21	W	X	X	X	X	X					1		2	
11																
12																

Laboratory Use Only	Received By	S.Ounsworth	Date	6/5/2021	Time	11.50	Signature		Temperature 1.7-1.0 0.7°C ICE	Report № 493582

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DS3009 XXXX Issue Date XX.XX.2015 Approved by XXXXXX

CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
Address	Old Rum Jungle Rd, Batchelor, NT, 0845	Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	13/5/2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	1L Plastic - GREEN Inorganics; 500ml Plastic - GREEN Inorganics; 200mL Plastic - RED Metals; 60mL Plastic - RED Metals
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	12/5/21	W					X	X	X	X	X	1		2	
2	Site 5B	12/5/21	W					X	X	X	X	X	1		2	
3	Site 2	12/5/21	W					X	X	X	X	X	1		2	
4	Site 4	12/5/21	W					X	X	X	X	X	1		2	
5	GS 200	12/5/21	W					X	X	X	X	X	1		2	
6	Site 1	12/5/21	W					X	X	X	X	X	1		2	
7																
8																
9																
10																
11																
12																

Laboratory Use Only	Received By	S. Oursworth	Date	13/5/2021	Time	09:00	Signature		Temperature	-1.2 -1.0 = -2.2°C	Report №	794720

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CHAIN OF CUSTODY RECORD

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☐ Eurofins | mgt Brisbane Lab — Unit 1, 21 Smallwood Place, Murarrie, QLD 4172 P: +61 7 3902 4600 E: EnviroSampleQLD@eurofins.com.au

☐ Eurofins | mgt Melbourne Lab — 2 Kingston Town Close, Oakleigh, VIC 3166 P: +61 3 8564 5000 F: +61 3 8564 5090 E: EnviroSampleVic@eurofins.com.au

Company	NT Resources Pty Ltd	Purchase Order	NTR #01145	Project Manager	Greg Molloy
		Eurofins | mgt Quote №	1801030NTR	Project №	NT Resources
Address	Old Rum Jungle Rd, Batchelor, NT, 0845				
Contact Name	Greg Molloy				
Contact Phone №	Mobile: 0437 690 958				
Special Direction	Please do no put spaces inbetween sample ID letter when inputting into EsDat				
Relinquished by (Signature) (Time / Date)	/ /2021				

Project Name	NT Resources
Electronic Results Format	ESDAT
Email for Results	Greg.Molloy@NTResources.com.au
Turn Around Requirements	☐ 1 DAY* ☐ 2 DAY* ☐ 3 DAY* * Surcharges apply ☑ 5 DAY (Std.) ☐ Other (20 Days for Radiochem)
Containers	
Method of Shipment	☑ Courier (#) ☐ Hand Delivered ☐ Postal

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

№	Client Sample ID	Date	Matrix	Groundwater: Suite B11E	Groundwater: Suite B11D	Groundwater: Suspended Solids	Groundwater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	Surfacewater: Suite B11E	Surfacewater: Suite B11D	Surfacewater: Suspended Solids	Surfacewater: Metals Total & Filtered (Al, Cd, Cr, Co, Cu Fe,, Pb, Mn, Ni, U, Zn)	1L Plastic - GREEN Inorganics	500ml Plastic - GREEN Inorganics	200mL Plastic - RED Metals	60mL Plastic - RED Metals	Sample Comments / DG Hazard Warning
1	Site 5	18.5.21	W					X	X	X	X	X	1		2	
2	Site 5 B	18.5.21	W					X	X	X	X	X	1		2	
3	Site 2	18.5.21	W					X	X	X	X	X	1		2	
4	Site 1	18.5.21	W					X	X	X	X	X	1		2	
5	GS 200	18.5.21	W					X	X	X	X	X	1		2	
6																
7																#79674
8																LR 20/05/21
9																
10																
11																
12																

Laboratory Use Only	Received By	S.Oursworth	Date	19/5/2020	Time	11:00	Signature		Temperature	1.5-1.0 0.5°C ICE	Report №

Submission of samples to the laboratory will be deemed as acceptance of Eurofins | mgt Standard Terms and Conditions unless agreed otherwise. A copy of Eurofins | mgt Standard Terms and Conditions is available on request.

APPENDIX G – 2020/21 MONTHLY DISCHARGE REPORTS

Our Ref: NTR-ENV-LET-087
10 January 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – December 2020 Monthly Discharge Report as per Licence Condition 42

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submit the following Monthly Discharge report for December 2020.

One discharge event occurred during December 2020, commencing on 23 December 2020 at 08:25 hrs and ceasing 31 December 2020 at 17:10 hrs. Relevant water quality parameters and metal concentrations were recorded during December 2020 (see Tables 1 & 2).

Please note that samples were taken on 23 December 2020 for metals and major chemistry once discharge commenced and/or there was flow at the monitoring sites. However, due to delays associated with the Christmas/New Year period at the laboratory, these results have yet to be provided back to NTR. NTR will provide these results to the NT EPA in the next monthly discharge report. Where the monitoring sites were dry prior to the commencement of the wet season in the second half of December 2020, no samples were able to be collected and no results are presented.

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites. Prior to 21 December 2020, some of the monitoring sites were dry or water treatment was not occurring, and measurements/samples could not be taken.

The field monitoring results measured during December 2020 are shown in Table 1.

Table 1 Field monitoring results for December 2020

		Field						Inorganics
	During discharge	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
		oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 Trigger Values for Site 5						700	6.5-8.5	
Field ID	**Date**							
GS200	**21/12/2020**	27.2	4.43	160.7	53.2	290	6.73	23.1
GS200	**23/12/2020**	26.4	3.02	223.3	37	135.6	6.74	24.3
GS200	**28/12/2020**	32.4	3.37	152	47.6	210	7.04	6.5
Site1	**21/12/2020**	28.5	4.18	171	50.6	232	6.46	27.5
Site1	**28/12/2020**	32.5	3.27	150	45	130	6.82	8.7
Site2	**7/12/2020**	29.7	3.69	201	40.9	657	7.75	5.7
Site2	**14/12/2020**	30.5	3.49	172	46.6	657	7.72	4.9
Site2	**21/12/2020**	29.9	3.06	157	44.3	563	7.43	11.1
Site2	**28/12/2020**	31.4	3.76	60.9	46.9	436	7.39	10.9
Site4	**21/12/2020**	26.8	1.59	222	19.3	36.3	5.97	26.2
Site4	**28/12/2020**	32.4	2.36	153	33.9	32.1	6.36	7.1
Site5	**7/12/2020**	26.7	1.49	261	18.6	1016	5.48	2
Site5	**14/12/2020**	26.9	1.32	241	16.4	760	5.9	1.9
Site5	**21/12/2020**	27.4	0.89	149	19.8	183	6.2	9.6
Site5	**23/12/2020**	25.9	2.11	171	25.4	89.4	6.6	20.1
Site5	**24/12/2020**	28	6.44	153.2	80.8	425	6.85	4.3
Site5	**25/12/2020**	28.3	1.72	140	35	445	6.86	3.5
Site5	**26/12/2020**	29.1	2.42	189.5	31.9	425	7.1	4.4
Site5	**27/12/2020**	28.2	2.06	197	25.8	285	6.91	6.7
Site5	**28/12/2020**	29.7	1.38	151.7	18.1	322	6.88	3.4
Site5	**29/12/2020**	26.7	1.56	203	19.7	188	6.73	6.9
Site5	**30/12/2020**	27.3	1.71	201.7	21.5	230	6.99	3
Site5	**31/12/2020**	26.7	0.96	192.1	12.8	189.9	6.86	3.1
TREAT01	**14/12/2020**	29.9	312	113	43.4	521	9.71	3.1
TREAT01	**21/12/2020**	28.5	3.89	91.7	48.9	348	10.2	10.1
TREAT01	**28/12/2020**	29.5	3.4	71	44.2	340	10.3	6.9

The WDL trigger values for Site 5 were in compliance during the discharge period. Water discharged from the site was of similar quality to that measured in the East Finnis River at GS200.

The metals and inorganics concentrations for samples taken December 2020 are shown in Table 2 along with the hardness modified values trigger values that were calculated in accordance with ANZECC (2000) Table 3.4.3. Please note that samples collected on 23 December are currently being processed and results have not been provided to NTR by the laboratory.

Table 2 Laboratory results for December 2020

		Inorganics									Metals																									
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.001			0.04		0.013		0.003				0.009			3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
ANZECC (2000) HMTV using GS200 hardness21/12/2020														0.004			0.158				0.011				0.064					0.063					0.115
GS200	**21/12/2020**	20	<10	<20	20	13	<5	120	140	9.1	0.53	0.06	0.0005	0.0005	11	<0.001	<0.001	0.13	0.13	0.16	0.1	0.56	0.13	0.002	<0.001	28	0.36	0.36	0.1	0.1	<5	10	7	0.18	0.17
SITE1	**21/12/2020**	20	<10	<20	20	6.5	<5	99	100	16	1	0.07	0.0003	0.0003	7.7	<0.001	<0.001	0.097	0.097	0.17	0.093	0.48	0.08	0.003	<0.001	20	0.35	0.35	0.077	0.076	<5	8	<5	0.11	0.097
SITE2	**21/12/2020**	51	<10	<20	51	14	8.8	250	270	1.8	<0.05	<0.05	<0.0002	<0.0002	35	<0.001	<0.001	0.012	<0.001	0.022	0.009	0.1	<0.05	0.013	<0.001	44	0.13	0.023	0.023	0.021	2.2	<5	<5	0.028	0.021
SITE4	**21/12/2020**	<20	<10	<20	<20	45	3	27	5.8	3.2	0.35	0.2	<0.0002	<0.0002	<0.5	<0.001	<0.001	0.001	<0.001	0.004	0.003	0.21	0.1	<0.001	<0.001	1.1	0.019	0.017	<0.001	<0.001	2.4	<5	<5	0.01	0.007
SITE5	**21/12/2020**	<20	<10	<20	<20	4.4	7.6	75	53	2.9	0.11	<0.05	<0.0002	<0.0002	7.9	<0.001	<0.001	0.017	0.017	0.019	0.014	0.55	0.24	0.003	<0.001	8.2	0.14	0.14	0.008	0.008	2.8	<5	<5	0.02	0.018
SITE5	**21/12/2020**	<20	<10	<20	<20	35	7.2	74	55	1.3	0.11	<0.05	<0.0002	<0.0002	8.2	<0.001	<0.001	0.015	0.015	0.02	0.012	0.55	0.22	0.003	<0.001	8.3	0.12	0.12	0.009	0.007	2.8	<5	<5	0.017	0.015
TREAT01	**21/12/2020**	41	<10	<20	41	85	<5	140	160	9.2	0.07	<0.05	<0.0002	<0.0002	27	<0.001	<0.001	0.056	0.001	0.5	0.006	<0.05	<0.05	0.039	0.01	22	0.049	<0.005	0.035	<0.001	<5	<5	<5	0.019	<0.005
ANZECC (2000) HMTV using GS200 hardness28/12/2020														0.003			0.109				0.008				0.038					0.044					0.081
GS200	**28/12/2020**	25	<10	<20	25	2.5	3.1	59	93	<1	0.14	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	0.037	0.037	0.058	0.043	0.25	<0.05	<0.001	<0.001	16	0.14	0.14	0.034	0.034	1.1	<5	<5	0.046	0.046
SITE 1	**28/12/2020**	<20	<10	<20	<20	19	2.6	62	47	<1	0.51	0.09	<0.0002	<0.0002	3.6	<0.001	<0.001	0.042	0.042	0.091	0.066	0.24	<0.05	0.001	<0.001	9.2	0.15	0.15	0.037	0.037	1	<5	<5	0.044	0.043
SITE 2	**28/12/2020**	45	<10	<20	45	19	5	180	180	2.6	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.007	0.002	0.016	0.009	0.09	<0.05	0.01	<0.001	26	0.16	0.11	0.017	0.017	1.3	<5	<5	0.02	0.02
SITE 4	**28/12/2020**	<20	<10	<20	<20	6.6	2.1	8	<5	<1	0.14	0.13	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.14	0.1	<0.001	<0.001	0.8	0.011	0.011	<0.001	<0.001	1.2	<5	<5	<0.005	<0.005
SITE 5	**28/12/2020**	35	<10	<20	35	4.6	4.3	130	130	<1	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	0.003	0.008	0.004	0.16	0.05	0.001	<0.001	18	0.017	0.017	0.006	0.006	1.2	<5	<5	0.009	0.009
SITE 5	**28/12/2020**	37	<10	<20	37	17	5.7	110	130	<1	<0.05	<0.05	<0.0002	<0.0002	22	<0.001	<0.001	0.003	0.003	0.008	0.004	0.15	0.05	0.001	<0.001	19	0.017	0.017	0.006	0.006	1.4	<5	<5	0.012	0.012
TREAT01	**28/12/2020**	<20	24	<20	32	5.7	1.7	71	110	37	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.026	<0.001	0.24	0.006	<0.05	<0.05	0.058	0.033	7.8	0.027	<0.005	0.016	<0.001	0.6	<5	<5	0.011	<0.005

(Note 1: Trigger Values only apply to Site 5 during discharge)
(Note 2: Discharge from Site 5 was not occurring on 21 December 2020)
(Note 3: Two samples were collected at Site 5 on both 21 and 28 December 2020 to assess any variability in discharge water quality. The results show very similar results between samples.)

Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Total discharge for event: 266,420 m^3

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event

Start Date = 23 December 2020

Time start: 0825 hrs

End Date = 31 December 2020

Time End: 17:10 hrs

Duration of event: ~ 8 days, 8 hours, 45 mins

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated December 2020: **82 ML**
Total water discharged December 2020: **266.42 M**L
Total water used for dust suppression for December 2020: **0.0 M**L
Total rainfall for November 2020 – December 2020: **519 mm**

Pond name	Gauge height (1/12/2020)	Gauge height (31/12/2020)
Sed dam	0.18	0.25
Pit level	54.02	55.18
BSS	1.06	0.44
PAF	0.76	0.29
SP3	1.55	0.40
SRO	1.45	0.25

Discharge event
A measured flow total of 266,420 **m^3** of water was discharged during December 2020.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Hardness Modified Trigger Levels were calculated in accordance with the methodology described in ANZECC (2000) Table 3.4.3 and applied where the river hardness at GS200 was greater than 30 mg/L as $CaCO_3$.

Non-conformances to the relevant trigger levels copper and cobalt are highlighted in Table 2. However, no discharge was occurring from Site 5 on the 21 December 2020, and as such, NTR does not consider that these results constitute a non-compliance with the discharge criteria specified in WDL177-09. Of note is the high concentration of copper and cobalt on 21 December 2020 at the GS200 site which is located in the East Finnis River. The GS200 results on 21 December 2020 exceed the copper and cobalt concentration measured at the Site 5 monitoring location by an order of magnitude. This suggests that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

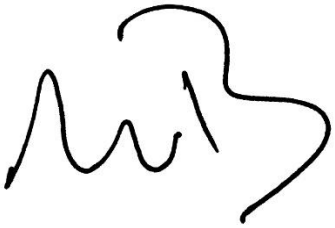
Analytical results from samples collected on 28 December 2020 during the period when discharge was occurring are compliant with the WDL177-09 trigger levels.

Licence condition 42.6 - Water quality management actions taken in the event of an exceedance.

There were no instances of non-compliance with WDL177-09. No management action was needed.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards



Dr Andrew Tong

Director

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-088
13 January 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – December 2020 Monthly Discharge Report as per Licence Condition 42

Version 2 Updated with data from 23 December 2020

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submitted the Monthly Discharge report for December 2020.

One discharge event occurred during December 2020, commencing on 23 December 2020 at 08:25 hrs and ceasing 31 December 2020 at 17:10 hrs. Relevant water quality parameters and metal concentrations were recorded during December 2020 (see Tables 1 & 2).

However, due to delays associated with the Christmas/New Year period at the laboratory, results for 23 December 2020 were delayed in being provided to NTR until 12 January 2021. This letter report (Version 2) now includes the complete set of water quality results for the discharge that occurred in December 2020 (see Table 2 below).

Where the monitoring sites were dry prior to the commencement of the wet season in the second half of December 2020, no samples were able to be collected and no results are presented.

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites. Prior to 21 December 2020, some of the monitoring sites were dry or water treatment was not occurring, and measurements/samples could not be taken.

The field monitoring results measured during December 2020 are shown in Table 1.

Table 1 Field monitoring results for December 2020

		Field						Inorganics
	During discharge	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
		oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 Trigger Values for Site 5						700	6.5-8.5	
Field ID	**Date**							
GS200	**21/12/2020**	27.2	4.43	160.7	53.2	290	6.73	23.1
GS200	**23/12/2020**	26.4	3.02	223.3	37	135.6	6.74	24.3
GS200	**28/12/2020**	32.4	3.37	152	47.6	210	7.04	6.5
Site1	**21/12/2020**	28.5	4.18	171	50.6	232	6.46	27.5
Site1	**28/12/2020**	32.5	3.27	150	45	130	6.82	8.7
Site2	**7/12/2020**	29.7	3.69	201	40.9	657	7.75	5.7
Site2	**14/12/2020**	30.5	3.49	172	46.6	657	7.72	4.9
Site2	**21/12/2020**	29.9	3.06	157	44.3	563	7.43	11.1
Site2	**28/12/2020**	31.4	3.76	60.9	46.9	436	7.39	10.9
Site4	**21/12/2020**	26.8	1.59	222	19.3	36.3	5.97	26.2
Site4	**28/12/2020**	32.4	2.36	153	33.9	32.1	6.36	7.1
Site5	**7/12/2020**	26.7	1.49	261	18.6	1016	5.48	2
Site5	**14/12/2020**	26.9	1.32	241	16.4	760	5.9	1.9
Site5	**21/12/2020**	27.4	0.89	149	19.8	183	6.2	9.6
Site5	**23/12/2020**	25.9	2.11	171	25.4	89.4	6.6	20.1
Site5	**24/12/2020**	28	6.44	153.2	80.8	425	6.85	4.3
Site5	**25/12/2020**	28.3	1.72	140	35	445	6.86	3.5
Site5	**26/12/2020**	29.1	2.42	189.5	31.9	425	7.1	4.4
Site5	**27/12/2020**	28.2	2.06	197	25.8	285	6.91	6.7
Site5	**28/12/2020**	29.7	1.38	151.7	18.1	322	6.88	3.4
Site5	**29/12/2020**	26.7	1.56	203	19.7	188	6.73	6.9
Site5	**30/12/2020**	27.3	1.71	201.7	21.5	230	6.99	3
Site5	**31/12/2020**	26.7	0.96	192.1	12.8	189.9	6.86	3.1
TREAT01	**14/12/2020**	29.9	312	113	43.4	521	9.71	3.1
TREAT01	**21/12/2020**	28.5	3.89	91.7	48.9	348	10.2	10.1
TREAT01	**28/12/2020**	29.5	3.4	71	44.2	340	10.3	6.9

The WDL trigger values for Site 5 were in compliance during the discharge period. Water discharged from the site was of similar quality to that measured in the East Finnis River at GS200.

The metals and inorganics concentrations for samples taken December 2020 are shown in Table 2 along with the Hardness Modified Trigger Values that were calculated in accordance with ANZECC (2000) Table 3.4.3.

Table 2 Laboratory results for December 2020

		Inorganics									Metals																								
	Sample d 1 hour before discharge commenced	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.001			0.04		0.013		0.003				0.009			3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
ANZECC (2000) HMTV using GS200 hardness21/12/2020														0.004			0.158				0.011				0.064					0.063					0.115
No discharge, but water flowing in sampling sites																																			
GS200	**21/12/2020**	20	<10	<20	20	13	<5	120	140	9.1	0.53	0.06	0.0005	0.0005	11	<0.001	<0.001	0.13	0.13	0.16	0.1	0.56	0.13	0.002	<0.001	28	0.36	0.36	0.1	0.1	<5	10	7	0.18	0.17
SITE1	**21/12/2020**	20	<10	<20	20	6.5	<5	99	100	16	1	0.07	0.0003	0.0003	7.7	<0.001	<0.001	0.097	0.097	0.17	0.093	0.48	0.08	0.003	<0.001	20	0.35	0.35	0.077	0.076	<5	8	<5	0.11	0.097
SITE2	**21/12/2020**	51	<10	<20	51	14	8.8	250	270	1.8	<0.05	<0.05	<0.0002	<0.0002	35	<0.001	<0.001	0.012	<0.001	0.022	0.009	0.1	<0.05	0.013	<0.001	44	0.13	0.023	0.023	0.021	2.2	<5	<5	0.028	0.021
SITE4	**21/12/2020**	<20	<10	<20	<20	45	3	27	5.8	3.2	0.35	0.2	<0.0002	<0.0002	<0.5	<0.001	<0.001	0.001	<0.001	0.004	0.003	0.21	0.1	<0.001	<0.001	1.1	0.019	0.017	<0.001	<0.001	2.4	<5	<5	0.01	0.007
SITE5	**21/12/2020**	<20	<10	<20	<20	4.4	7.6	75	53	2.9	0.11	<0.05	<0.0002	<0.0002	7.9	<0.001	<0.001	0.017	0.017	0.019	0.014	0.55	0.24	0.003	<0.001	8.2	0.14	0.14	0.008	0.008	2.8	<5	<5	0.02	0.018
SITE5	**21/12/2020**	<20	<10	<20	<20	35	7.2	74	55	1.3	0.11	<0.05	<0.0002	<0.0002	8.2	<0.001	<0.001	0.015	0.015	0.02	0.012	0.55	0.22	0.003	<0.001	8.3	0.12	0.12	0.009	0.007	2.8	<5	<5	0.017	0.015
TREAT01	**21/12/2020**	41	<10	<20	41	85	<5	140	160	9.2	0.07	<0.05	<0.0002	<0.0002	27	<0.001	<0.001	0.056	0.001	0.5	0.006	<0.05	<0.05	0.039	0.01	22	0.049	<0.005	0.035	<0.001	<5	<5	<5	0.019	<0.005
ANZECC (2000) HMTV using GS200 hardness 23/12/2020														0.002			0.061				0.004				0.016					0.025					0.046
Discharge commenced. Site 5 one hour before discharge, Site 5 one hr after discharge. Elevated levels of metals detected at GS200 before and after discharge commenced.																																			
GS200	**23/12/2020**	21	<10	<20	21	7	2.5	50	43	<1	0.39	0.05	<0.0002	<0.0002	4.5	0.001	<0.001	0.032	0.032	0.07	0.047	0.48	0.08	0.002	<0.001	7.7	0.13	0.13	0.027	0.027	1.4	<5	<5	0.028	0.024
GS200	**23/12/2020**	<20	<10	<20	<20	29	2.4	43	48	1.8	0.35	0.07	<0.0002	<0.0002	4.4	0.001	<0.001	0.039	0.039	0.078	0.057	0.46	0.09	0.002	<0.001	9	0.17	0.17	0.032	0.032	1.4	<5	<5	0.033	0.033
SITE1	**23/12/2020**	<20	<10	<20	<20	3.5	2.1	25	32	2.8	0.76	0.15	<0.0002	<0.0002	2.7	0.001	<0.001	0.032	0.032	0.088	0.061	0.44	0.08	0.002	<0.001	6.1	0.14	0.14	0.028	0.028	1.4	<5	<5	0.019	0.015
SITE2	**23/12/2020**	58	<10	<20	58	5.4	6.8	250	230	32	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.011	<0.001	0.022	0.008	0.12	<0.05	0.013	<0.001	36	0.13	<0.005	0.02	0.016	1.6	<5	<5	0.022	0.014
SITE4	**23/12/2020**	<20	<10	<20	<20	2.9	2.1	11	<5	<1	0.28	0.23	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.12	0.08	<0.001	<0.001	0.8	0.009	0.009	<0.001	<0.001	1.6	<5	<5	<0.005	<0.005
SITE5	**23/12/2020**	38	<10	<20	38	3.9	6	110	110	3.4	0.12	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.004	0.004	0.012	0.007	0.24	0.08	0.002	<0.001	16	0.025	0.025	0.007	0.006	1.8	<5	<5	0.01	0.01
SITE5	**23/12/2020**	26	<10	<20	26	1.1	3.4	25	100	<1	0.18	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	0.003	0.008	0.006	0.36	0.16	0.002	<0.001	12	0.018	0.018	0.003	0.002	1.3	<5	<5	0.007	0.005
SITE5	**23/12/2020**	43	<10	<20	43	21	5.9	100	73	1	0.15	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	0.004	0.004	0.014	0.008	0.3	0.07	0.003	<0.001	11	0.026	0.025	0.007	0.006	1.8	<5	<5	0.015	0.012
TREAT01	**23/12/2020**	<20	<10	<20	<20	31	2.2	230	200	<1	0.14	0.13	<0.0002	<0.0002	64	<0.001	<0.001	0.012	0.003	0.075	0.008	<0.05	<0.05	0.011	0.011	10	0.013	0.006	0.008	<0.001	0.8	<5	<5	0.013	<0.005
ANZECC (2000) HMTV using GS200 hardness 28/12/2020														0.003			0.109				0.008				0.038					0.044					0.081
Discharge continuing																																			
GS200	**28/12/2020**	25	<10	<20	25	2.5	3.1	59	93	<1	0.14	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	0.037	0.037	0.058	0.043	0.25	<0.05	<0.001	<0.001	16	0.14	0.14	0.034	0.034	1.1	<5	<5	0.046	0.046
SITE 1	**28/12/2020**	<20	<10	<20	<20	19	2.6	62	47	<1	0.51	0.09	<0.0002	<0.0002	3.6	<0.001	<0.001	0.042	0.042	0.091	0.066	0.24	<0.05	0.001	<0.001	9.2	0.15	0.15	0.037	0.037	1	<5	<5	0.044	0.043
SITE 2	**28/12/2020**	45	<10	<20	45	19	5	180	180	2.6	<0.05	<0.05	<0.0002	<0.0002	31	<0.001	<0.001	0.007	0.002	0.016	0.009	0.09	<0.05	0.01	<0.001	26	0.16	0.11	0.017	0.017	1.3	<5	<5	0.02	0.02
SITE 4	**28/12/2020**	<20	<10	<20	<20	6.6	2.1	8	<5	<1	0.14	0.13	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.14	0.1	<0.001	<0.001	0.8	0.011	0.011	<0.001	<0.001	1.2	<5	<5	<0.005	<0.005
SITE 5	**28/12/2020**	35	<10	<20	35	4.6	4.3	130	130	<1	<0.05	<0.05	<0.0002	<0.0002	21	<0.001	<0.001	0.003	0.003	0.008	0.004	0.16	0.05	0.001	<0.001	18	0.017	0.017	0.006	0.006	1.2	<5	<5	0.009	0.009
SITE 5	**28/12/2020**	37	<10	<20	37	17	5.7	110	130	<1	<0.05	<0.05	<0.0002	<0.0002	22	<0.001	<0.001	0.003	0.003	0.008	0.004	0.15	0.05	0.001	<0.001	19	0.017	0.017	0.006	0.006	1.4	<5	<5	0.012	0.012
TREAT01	**28/12/2020**	<20	24	<20	32	5.7	1.7	71	110	37	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.026	<0.001	0.24	0.006	<0.05	<0.05	0.058	0.033	7.8	0.027	<0.005	0.016	<0.001	0.6	<5	<5	0.011	<0.005

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Discharge from Site 5 was not occurring on 21 December 2020.

3: Two samples were collected at Site 5 on both 21 and 28 December 2020 to assess any variability in discharge water quality. The results show very similar results between samples.

4: On 23 December 2020, samples were collected at GS200 and Site 5 one hour prior to the commencement of discharge, and then one hour after the commencement of discharge, for comparison purposes

Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Total discharge for event: 266,420 m^3

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event

Start Date = 23 December 2020

Time start: 0825 hrs

End Date = 31 December 2020

Time End: 17:10 hrs

Duration of event: ~ 8 days, 8 hours, 45 mins

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated December 2020: **82 ML**
Total water discharged December 2020: **266.42 M**L
Total water used for dust suppression for December 2020: **0.0 M**L
Total rainfall for November 2020 – December 2020: **519 mm**

Pond name	Gauge height (1/12/2020)	Gauge height (31/12/2020)
Sed dam	0.18	0.25
Pit level	54.02	55.18
BSS	1.06	0.44
PAF	0.76	0.29
SP3	1.55	0.40
SRO	1.45	0.25

Discharge event
A measured flow total of 266,420 **m^3** of water was discharged during December 2020.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Hardness Modified Trigger Levels were calculated in accordance with the methodology described in ANZECC (2000) Table 3.4.3 and applied where the river hardness at GS200 was greater than 30 mg/L as $CaCO_3$.

Non-conformances to the relevant trigger levels copper and cobalt are highlighted in Table 2. However, no discharge was occurring from Site 5 on the 21 December 2020, and as such, NTR does not consider that these results constitute a non-compliance with the discharge criteria specified in WDL177-09. Of note is the high concentration of copper and cobalt on 21 December 2020 at the GS200 site which is located in the East Finnis River. The GS200 results on 21 December 2020 exceed the copper and cobalt concentration measured at the Site 5 monitoring location by an order of magnitude. This suggests that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

On 23 December 2020, a non-conformance with the Hardness Modified Trigger Level for copper was recorded for Site 5 for the sample collected 1 hour after the commencement of discharge. Samples collected at Site 5 one hour before the comencement of discharge were also in excess of the Hardness Modified Trigger Level for copper. The Hardness Modified Trigger Levels at GS200 for copper, cobalt and nickel at GS200 one hour prior to and one hour after the commencement of discharge were exceeded, suggesting that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

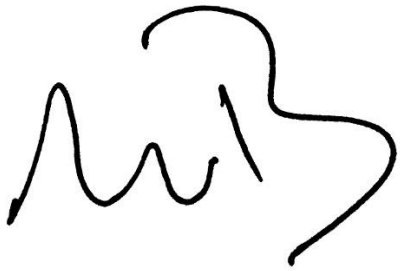
Analytical results from samples collected on 28 December 2020 during the period when discharge was occurring are compliant with the WDL177-09 trigger levels.

Licence condition 42.6 -	***Water quality management actions taken in the event of an exceedance.***

In accordance with Condition 39 of WDL177-09, there were no instances of non-compliance with WDL177-09 as the exceedance for copper detected on the 23 December 2020 after the commencement of discharge was less than the three times trigger value specified in Appendix 2 and had not been exceeded on three consecutive occasions. No management action was needed.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards



Dr Andrew Tong

Director

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-089
10 February 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – January 2021 Monthly Discharge Report as per Licence Condition 42

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for January 2021.

One discharge event occurred during January 2021, commencing on 25 January 2021 at 08:24 hrs and ceasing 31 January 2021 at 16:40 hrs. Relevant water quality parameters and metal concentrations were recorded during January 2021 (see Tables 1 & 2).

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during January 2021 are shown in Table 1.

Table 1 Field monitoring results for January 2021

				Field						Inorganics
			During discharge	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 Trigger Values								700	6.5-8.5	
Field ID	**Date**	**Time**	**Sample Comments**							
GS200	4/01/2021	17:35:00	Depth= 1.58, Colour= clear, Flow= med	30.3	2.81	228.7	42.2	192	6.94	4.8
GS200	10/01/2021	8:10:00	Depth= 1.58, Colour= clear, Flow= med	29.6	2.45	194	31.2	145	6.89	4.5
GS200	18/01/2021	7:53:00	Depth= 1.55, colour= clear, Flow= med	28.2	3.46	181	44.8	161	6.93	5.8
GS200	25/01/2021	10:03:00	Depth= 1.67, colour= clear, Flow= low-med	28.2	3.76	154.7	48.3	183.9	7.05	5.8
Site1	4/01/2021	17:23:00	Colour= clear, Flow= med, Depth= .4	30.1	2.71	247	36.1	160	7.04	4.6
Site1	10/01/2021	7:56:00	Colour= clear, Flow= med, Depth= .3	29.3	2.73	215	34.6	135	6.93	4.9
Site1	18/01/2021	7:37:00	Colour= clear, depth= .25, Flow= med	27.8	3.15	187	40.3	148	6.88	5.4
Site1	25/01/2021	9:45:00	Colour= clear, depth= 15-20cm, Flow= low	28.2	3.94	155.2	50.5	135.3	7.07	4.2
Site2	4/01/2021	7:46:00	Height =.3, Colour = clear Depth= .3	30.2	3.14	184.5	32.1	383	7.22	3.3
Site2	10/01/2021	8:50:00	Height =.4, Colour = clear	32.3	1.92	155	25.3	381	7.28	6.4
Site2	18/01/2021	9:31:00	Height = 0.68, Colour = clear	31.5	2.1	150.2	29.4	383	7.41	5.4
Site2	25/01/2021	8:44:00	Height = 1.34, Colour = clear	30.1	2.69	169.2	35.3	383	7.27	5
Site4	4/01/2021	7:26:00	Colour= clean/clear, Depth= 200mm, medium	27	1.71	204.6	21.6	28.2	6.03	4.5
Site4	10/01/2021	9:08:00	Colour= clear, Depth= .1, flow= medium	29.3	2.35	186	30	21.7	6.23	4
Site4	18/01/2021	9:46:00	Colour= clear, Depth= 20cm, Flow= low	28.4		164.3	48.3	23.8	6.37	3.6
Site4	25/01/2021	8:56:00	Colour= clear, Depth= 15- 20cm, Flow= low	27.3	3.42	192.2	44.1	24.3	6.58	4.5
Site5	4/01/2021	6:50:00	Colour= clean/clear, Depth= .24.35, medium	28	0.92	175.3	11.7	74.5	6.53	4.5
Site5	10/01/2021	8:37:00	Colour= clear, Depth= .34, flow= med	29	1.4	169	18.9	68.5	6.4	3.4
Site5	18/01/2021	10:03:00	Colour= slightly brownish, Depth= .35, lo - med	27.9	1.87	163	23.2	65.6	6.48	2.5
Site5	25/01/2021	9:24:00	Colour= blackish, Depth= .48, Flow= low - med	28.1	2.59	177.3	33.1	266	6.88	8.6
Site5	26/01/2021	8:07:00	colour = very clear, flow =fast flowing, depth = 0.52	28.4	2.37	251.8	29.4	290	7.04	2.6
Site5	27/01/2021	7:27:00	colour=clear, flow=med, depth=.5	26.8	2.34	234	30.1	378	7.33	1.7
Site5	28/01/2021	7:13:00	Colour= clear, , depth=.5, flow= med	27.7	2.36	192	30.2	292	7.45	1.9
Site5	29/01/2021	7:05:00	Colour= clear, Depth= .68, Flow= high	25.7	3.69	193	43	141	6.96	22.7
Site5	30/01/2021	8:10:00	Colour=clear, , depth=.68	25.7	3.32	213.9	43.9	172	7.34	10.4
Site5	31/01/2021	7:00:00	Colour= clear, , depth=.5,	25.1	3.14	238.1	29.9	161	7.41	9.1
TREAT01	18/01/2021	9:09:00	Colour= v clear, treating	30.2	3.29	89.6	44.4	381	9.73	1.1
TREAT01	25/01/2021	10:35:00	Colour= clear, treating	29.8	3.13	70.9	42.5	386	9.78	2.9

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period. Water discharged from the site was of similar quality (field parameters) to that measured in the East Finnis River at GS200.

The metals and inorganics concentrations for samples taken January 2021 are shown in Table 2 along with the Hardness Modified Trigger Values that were calculated in accordance with ANZECC (2000) Table 3.4.3.

Table 2 Laboratory results for January 2021

		Inorganics									Metals																									
	Sampled 1 hour before discharge commenced	Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.0008			0.04		0.013		0.003				0.009			3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
ANZECC (2000) HMTV using GS200 hardness 4/01/2021	No discharge at Site 5													0.002			0.066				0.005				0.019					0.028					0.05
High levels of Cu, Co, Ni, Zn at GS200, no discharge at Site 5 with generally low metal conc.																																				
GS 200	**4/01/2021**	22	<10	<20	22	24	3.3	37	53	5.8	0.18	<0.05	<0.0002	<0.0002	4.4	<0.001	<0.001	0.033	0.033	0.047	0.038	0.55	0.11	<0.001	<0.001	10	0.14	0.14	0.028	0.028	0.9	<5	<5	0.039	0.037
SITE 1	**4/01/2021**	<20	<10	<20	<20	3.6	2.5	19	32	8.6	0.26	0.07	<0.0002	<0.0002	2.5	<0.001	<0.001	0.018	0.018	0.041	0.033	0.41	0.09	0.001	<0.001	6.3	0.087	0.087	0.018	0.017	1	<5	<5	0.02	0.018
SITE 2	**4/01/2021**	42	<10	<20	42	16	4.7	160	170	2.9	<0.05	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.01	0.004	0.014	0.006	0.18	<0.05	0.007	<0.001	25	0.15	0.088	0.012	0.01	1.1	<5	<5	0.027	0.011
SITE 4	**4/01/2021**	<20	<10	<20	<20	6.3	2.2	7.2	15	3.4	0.09	0.08	<0.0002	<0.0002	3.3	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.29	0.1	<0.001	<0.001	1.6	0.008	0.005	<0.001	<0.001	0.8	<5	<5	0.005	<0.005
SITE 5 (1)	**4/01/2021**	22	<10	<20	22	15	3.1	26	24	8.2	0.06	<0.05	<0.0002	<0.0002	3	<0.001	<0.001	0.004	0.004	0.009	0.009	0.77	0.25	0.002	<0.001	4	0.044	0.044	0.003	0.003	1	<5	<5	<0.005	<0.005
SITE 5 (2)	**4/01/2021**	<20	<10	<20	<20	18	3.2	11	23	7.2	0.06	<0.05	<0.0002	<0.0002	3	<0.001	<0.001	0.004	0.004	0.009	0.008	0.88	0.28	0.002	<0.001	3.9	0.045	0.043	0.003	0.003	0.9	<5	<5	0.009	<0.005
ANZECC (2000) HMTV using GS200 hardness 7/01/2021	No discharge at Site 5													0.001			0.056				0.005				0.015					0.03					0.055
High levels of Cu, Co, Ni at GS200, no discharge at Site 5 with generally low metal conc except Cu																																				
GS 200	**7/01/2021**	<20	<10	<20	<20	21	2.7	30	44	6.7	0.24	<0.05	<0.0002	<0.0002	3.8	<0.001	<0.001	0.025	0.024	0.049	0.035	0.59	0.1	0.007	<0.001	8.3	0.11	0.1	0.023	0.022	1.1	<5	<5	0.043	0.03
SITE 1	**7/01/2021**	22	<10	<20	22	22	3.3	28	44	5.9	0.41	0.06	<0.0002	<0.0002	3.5	<0.001	<0.001	0.029	0.029	0.071	0.046	0.56	0.09	0.003	<0.001	8.6	0.14	0.14	0.031	0.027	3	<5	<5	0.029	0.029
SITE 4	**7/01/2021**	<20	<10	<20	<20	8.3	2	<5	<5	2.5	0.1	0.07	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.004	0.003	0.2	0.1	<0.001	<0.001	0.5	0.007	0.005	<0.001	<0.001	0.8	<5	<5	<0.005	<0.005
SITE 5 (1)	**7/01/2021**	<20	<10	<20	<20	3.8	3.3	16	18	3.5	0.07	<0.05	<0.0002	<0.0002	1.9	<0.001	<0.001	0.002	0.002	0.009	0.009	0.42	0.19	0.002	<0.001	3.1	0.02	0.019	0.002	0.002	0.9	<5	<5	<0.005	<0.005
SITE 5 (2)	**7/01/2021**	<20	<10	<20	<20	24	3.3	12	29	3	0.06	<0.05	<0.0002	<0.0002	4.1	<0.001	<0.001	0.002	0.002	0.011	0.01	0.41	0.19	0.002	<0.001	4.6	0.018	0.017	0.003	0.002	0.9	<5	<5	<0.005	<0.005
No HMTV required - GS200 hardness < 30 mg/L	No discharge at Site 5																																			
High levels of Cu and Co at GS200, much higher than Site 5 during and after discharge																																				
GS200	**10/01/2021**	22	<10	<20	22	1.4	2.4	20	28	9	0.23	<0.05	<0.0002	<0.0002	2.4	0.1	<0.001	0.016	0.016	0.029	0.021	0.11	0.11	0.001	<0.001	5.4	0.072	0.065	0.071	0.015	1	<5	<5	0.12	0.019
SITE 1	**10/01/2021**	<20	<10	<20	<20	55	2.2	26	20	8.7	0.24	<0.05	<0.0002	<0.0002	1.6	0.01	<0.001	0.009	0.009	0.02	0.015	0.52	0.12	0.001	<0.001	3.9	0.049	0.043	0.014	0.008	0.9	<5	<5	0.02	0.008
SITE 4	**10/01/2021**	<20	<10	<20	<20	51	2.3	36	<5	1.4	0.1	0.09	<0.0002	<0.0002	<0.5	0.009	<0.001	<0.001	<0.001	0.002	0.001	0.25	0.13	<0.001	<0.001	0.6	0.007	0.006	0.005	<0.001	0.9	<5	<5	0.011	<0.005
SITE 5	**10/01/2021**	20	<10	<20	20	55	3.4	33	23	1.2	0.06	<0.05	<0.0002	<0.0002	2.8	0.01	<0.001	0.002	0.002	0.006	0.004	0.58	0.22	0.002	<0.001	3.8	0.023	0.021	0.007	0.002	0.9	<5	<5	0.013	<0.005
SITE 5	**10/01/2021**	23	<10	<20	23	4.8	3.3	21	22	<1	0.05	<0.05	<0.0002	<0.0002	2.7	0.008	<0.001	0.002	0.002	0.007	0.005	0.56	0.24	0.002	0.002	3.8	0.022	0.022	0.006	0.002	1	<5	<5	0.012	<0.005
ANZECC (2000) HMTV using GS200 hardness 11/01/2021	No discharge at Site 5													0.002			0.073				0.005				0.021					0.03					0.055
High levels of Cu, Co, Ni, Zn at GS200, no discharge at Site 5 with generally low metal conc(except Cu)																																				
GS 200	**11/01/2021**	<20	<10	<20	<20	23	3.2	49	59	2.4	0.15	<0.05	<0.0002	<0.0002	4.8	0.008	<0.001	0.037	0.037	0.055	0.037	0.46	0.08	<0.001	<0.001	11	0.13	0.13	0.038	0.034	0.8	<5	<5	0.058	0.049
SITE 1	**11/01/2021**	23	<10	<20	23	27	3.1	54	42	2.9	0.26	0.06	<0.0002	<0.0002	2.7	0.009	<0.001	0.026	0.026	0.054	0.034	0.41	<0.05	<0.001	<0.001	8.5	0.096	0.093	0.029	0.024	0.7	<5	<5	0.042	0.03
SITE 2	**11/01/2021**	43	<10	<20	43	7.8	5.2	170	180	3	<0.05	<0.05	<0.0002	<0.0002	31	0.006	<0.001	0.01	0.008	0.012	0.01	0.07	<0.05	0.005	0.003	26	0.24	0.23	0.02	0.016	1.2	<5	<5	0.021	0.014
SITE 4	**11/01/2021**	<20	<10	<20	<20	14	2.2	30	<5	2	0.09	0.07	<0.0002	<0.0002	<0.5	0.008	<0.001	<0.001	<0.001	0.002	0.001	0.23	0.09	<0.001	<0.001	0.6	0.007	<0.005	0.005	<0.001	0.9	<5	<5	0.01	<0.005
SITE 5	**11/01/2021**	22	<10	<20	22	6.7	3.2	23	22	1.2	0.05	<0.05	<0.0002	<0.0002	2.6	0.008	<0.001	0.003	0.003	0.008	0.007	0.59	0.23	0.002	<0.001	3.8	0.026	0.025	0.006	0.003	0.9	<5	<5	0.012	<0.005
ANZECC (2000) HMTV using GS200 hardness 18/01/2021	No discharge at Site 5													0.002			0.086				0.006				0.027					0.035					0.064
High levels of Cu, Co, Ni, Zn at GS200, no discharge at Site 5 with generally low metal conc (except Cu)																																				
GS 200	**18/01/2021**	29	<10	<20	29	7.7	<5	44	71	2.9	0.15	<0.05	<0.0002	<0.0002	5.8	<0.001	<0.001	0.042	0.043	0.062	0.037	0.55	0.07	<0.001	<0.001	14	0.16	0.16	0.038	0.039	<5	<5	<5	0.056	0.054
SITE 1	**18/01/2021**	32	<10	<20	32	48	<5	40	48	4.1	0.24	0.05	<0.0002	<0.0002	<5	<0.001	<0.001	0.033	0.033	0.059	0.037	0.54	0.06	<0.001	<0.001	9.6	0.14	0.14	0.03	0.03	<5	<5	<5	0.037	0.034
SITE 2	**18/01/2021**	67	<10	<20	67	52	<5	150	180	1.6	<0.05	<0.05	<0.0002	<0.0002	30	<0.001	<0.001	0.006	0.016	0.006	0.018	<0.05	0.06	<0.001	0.008	25	0.26	0.37	0.015	0.017	<5	<5	<5	0.011	0.018
SITE 4	**18/01/2021**	<20	<10	<20	<20	56	<5	-2.323	10	2.6	0.09	0.05	<0.0002	<0.0002	<5	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.23	0.11	<0.001	<0.001	<5	0.008	0.006	<0.001	<0.001	<5	<5	<5	<0.005	<0.005
SITE 5	**18/01/2021**	36	<10	<20	36	61	<5	8.8	54	<1	<0.05	0.06	<0.0002	<0.0002	7.8	<0.001	<0.001	0.002	0.002	0.003	0.005	0.2	0.51	<0.001	0.001	8.4	0.021	0.023	0.001	0.001	<5	<5	<5	<0.005	0.005
SITE 5	**18/01/2021**	48	<10	<20	48	7.4	<5	9.2	15	2.9	<0.05	0.07	<0.0002	<0.0002	<5	<0.001	<0.001	0.002	0.002	0.003	0.005	0.22	0.51	<0.001	0.001	<5	0.022	0.023	0.001	<0.001	<5	<5	<5	<0.005	<0.005
TREAT 1	**18/01/2021**	29	40	<20	69	41	<5	150	200	3.3	<0.05	<0.05	<0.0002	<0.0002	22	<0.001	<0.001	0.002	<0.001	0.005	0.001	<0.05	<0.05	<0.001	<0.001	36	<0.005	<0.005	0.001	<0.001	<5	<5	<5	<0.005	<0.005
ANZECC (2000) HMTV using GS200 hardness 25/01/2021														0.002			0.082				0.006				0.025					0.034					0.061
High levels of Cu, Co, Ni, Zn at GS200, discharging at Site 5 with generally low metal conc (except Cu which was higher before discharge)																																				
GS 200	**25/01/2021**	34	<10	<20	34	<1	<5	60	58	5.8	0.2	<0.05	<0.0002	<0.0002	5.5	<0.001	<0.001	0.031	0.029	0.062	0.033	0.76	<0.05	0.001	<0.001	11	0.13	0.1	0.03	0.03	<5	<5	<5	0.054	0.035
GS 200	**25/01/2021**	35	<10	<20	35	35	<5	57	67	2.2	0.2	<0.05	<0.0002	<0.0002	6	<0.001	<0.001	0.029	0.025	0.059	0.028	0.76	<0.05	0.002	<0.001	13	0.12	0.095	0.028	0.026	<5	<5	<5	0.041	0.03
GS 200 (before)	**25/01/2021**	29	<10	<20	29	22	<5	66	61	2.9	0.18	<0.05	<0.0002	<0.0002	5.9	<0.001	<0.001	0.04	0.04	0.06	0.038	0.51	<0.05	<0.001	<0.001	11	0.15	0.15	0.039	0.039	<5	<5	<5	0.059	0.056
SITE 1	**25/01/2021**	32	<10	<20	32	23	<5	38	52	<1	0.18	<0.05	<0.0002	<0.0002	<5	<0.001	<0.001	0.019	0.019	0.046	0.029	0.42	<0.05	<0.001	<0.001	10	0.081	0.079	0.019	0.019	<5	<5	<5	0.025	0.019
SITE 1	**25/01/2021**	33	<10	<20	33	18	<5	43	58	3	0.19	<0.05	<0.0002	<0.0002	5.8	<0.001	<0.001	0.022	0.021	0.055	0.035	0.46	<0.05	<0.001	<0.001	11	0.09	0.086	0.022	0.022	<5	<5	<5	0.024	0.021
SITE 2	**25/01/2021**	42	<10	<20	42	18	5	190	190	1.8	<0.05	<0.05	<0.0002	<0.0002	34	<0.001	<0.001	0.006	0.002	0.012	0.007	0.06	<0.05	0.004	<0.001	26	0.18	0.13	0.014	0.013	<5	<5	<5	0.023	0.017
SITE 2	**25/01/2021**	45	<10	<20	45	2.5	7.2	190	190	24	<0.05	<0.05	<0.0002	<0.0002	29	<0.001	<0.001	0.005	0.002	0.013	0.01	<0.05	<0.05	0.003	<0.001	30	0.15	0.12	0.016	0.016	<5	<5	<5	0.02	0.018
SITE 4	**25/01/2021**	<20	<10	<20	<20	36	<5	11	<5	1.5	0.11	0.05	<0.0002	<0.0002	<5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.24	0.09	<0.001	<0.001	<5	0.007	<0.005	<0.001	<0.001	<5	<5	<5	<0.005	<0.005
SITE 4	**25/01/2021**	<20	<10	<20	<20	45	<5	<5	<5	2.2	0.11	<0.05	<0.0002	<0.0002	<5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.21	0.08	<0.001	<0.001	<5	0.007	<0.005	<0.001	<0.001	<5	<5	<5	0.006	<0.005
SITE 5 (Before)	**25/01/2021**	59	<10	<20	59	60	7.9	85	91	9	0.11	<0.05	<0.0002	<0.0002	14	<0.001	<0.001	0.005	<0.001	0.017	0.011	1.3	<0.05	0.004	<0.001	13	0.061	0.011	0.006	0.005	<5	<5	<5	0.01	<0.005
SITE 5	**25/01/2021**	43	<10	<20	43	27	<5	57	32	3.3	0.08	<0.05	<0.0002	<0.0002	<5	<0.001	<0.001	0.003	0.001	0.004	0.004	0.73	0.11	0.001	<0.001	5.6	0.035	0.021	0.002	0.002	<5	<5	<5	0.007	<0.005
SITE 5	**25/01/2021**	65	<10	<20	65	<1	8.1	110	120	12	0.19	<0.05	<0.0002	<0.0002	19	<0.001	<0.001	0.009	<0.001	0.018	0.009	2.3	<0.05	0.005	<0.001	17	0.11	0.011	0.006	0.004	<5	<5	<5	0.011	<0.005
TREAT 01	**25/01/2021**	<20	46	<20	58	28	<5	160	190	2.9	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.005	<0.001	0.006	0.001	<0.05	<0.05	0.002	<0.001	35	0.012	<0.005	0.005	0.002	<5	<5	<5	0.009	<0.005
TREAT01	**25/01/2021**	31	48	<20	79	4.6	<5	160	190	2.5	<0.05	<0.05	<0.0002	<0.0002	20	<0.001	<0.001	0.004	<0.001	0.004	0.001	<0.05	<0.05	0.001	<0.001	34	0.01	<0.005	0.005	0.002	<5	<5	<5	0.009	<0.005

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Discharge from Site 5 was not occurring between 1 January – 25 January 2021.

3: Two samples were collected on 25 January 2021 to assess any variability in discharge water quality. The results show very similar results between samples.

4: On 25 January 2021, samples were collected at GS200 and Site 5 one hour prior to the commencement of discharge, and then one hour after the commencement of discharge, for comparison purposes. Note that water quality prior to discharge was worse than after discharge. The water quality at GS200 is considerably worse that at Site 5 during discharge, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Total discharge for event 105,584 m^3

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event

Start Date = 25 January 2021

Time start: 0824 hrs

End Date = 31 January 2021

Time End: 16:40 hrs

Duration of event: ~ 6 days, 8 hours, 16 mins

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated January 2021: **71 ML**
Total water discharged January 2021: **106 M**L
Total water used for dust suppression for January 2021: **83 m^3**
Total rainfall for January 2021: **267 mm**

Pond name	Gauge height (1/1/2021)	Gauge height (31/1/2021)
Sed dam	0.28	0.27
Pit level	55.19	55.15
BSS	0.46	0.92
PAF	0.30	0.81
SP3	0.45	1.05
SRO	0.50	0.30

Discharge event
A measured flow total of 105,584 **m^3** of water was discharged during January 2021.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Hardness Modified Trigger Levels were calculated in accordance with the methodology described in ANZECC (2000) Table 3.4.3 and applied where the river hardness at GS200 was greater than 30 mg/L as $CaCO_3$.

Non-conformances to the relevant trigger levels are highlighted in Table 2. However, no discharge was occurring from Site 5 between 1 -25 January 2021, and as such, NTR does not consider that these results constitute a non-compliance with the discharge criteria specified in WDL177-09. Of note is the consistently high concentration of copper, cobalt, nickel and zinc on samples collected at the GS200 site which is located in the East Finnis River. The GS200 results exceed the copper, cobalt, nickel and zinc concentration measured at the Site 5 monitoring location by an order of magnitude. This suggests that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

On 25 January 2021, a non-conformance with the Hardness Modified Trigger Level for copper was recorded for Site 5 for the sample collected 1 hour before the commencement of discharge and the samples collected 1 hour after discharge commenced. The concentration of copper during discharge was less than the WDL three time trigger level. Note however that the concentration of copper in the after discharge samples at Site 5 is considerably less than the before discharge sample and also more than an order of magnitude less than the concentration of copper measured at GS200. The Hardness Modified Trigger Levels at GS200 for copper, cobalt, nickel and zinc at GS200 one hour prior to and one hour after the commencement of discharge were exceeded, suggesting that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

Licence condition 42.6 -	***Water quality management actions taken in the event of an exceedance.***

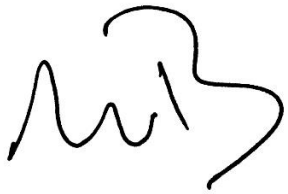
In accordance with Condition 39 of WDL177-09, there were no instances of non-compliance with WDL177-09 as the exceedance for copper detected on the 25 January 2021 after the commencement of discharge was less than the three times trigger value specified in Appendix 2 and had not been exceeded on three consecutive occasions. No management action was needed.

Update to December 2020 Discharge Report

In preparing the January 2021 monthly discharge report, it was recognised that the volume of discharge for December 2020 was reported incorrectly. The correct volume of discharge during December 2020 was 136,650 m^3 (or 136 ML) rather than the 266,420 m^3 (or 266 ML) that was previously reported. This was due to an operator error in reading the discharge flow meter. This error has been rectified.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards



Dr Andrew Tong

Managing Director

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-090
10 March 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – February 2021 Monthly Discharge Report as per Licence Condition 42

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for February 2021.

One discharge event occurred during February 2021, commencing on 12 February 2021 at 05:40 hrs and ceasing 24 February 2021 at 07:40 hrs. Relevant water quality parameters and metal concentrations were recorded during January 2021 (see Tables 1 & 2). Please note that samples were collected on 22 February 2021 in accordance with the monitoring schedule escribed in Schedule 1 of the WDL, however the results have not yet been made available to NTR from the laboratory at this time. These results will be reported in the March 2021 monthly discharge report.

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during February 2021 are shown in Table 1.

Table 1 Field monitoring results for February 2021

				Field						Inorganics
			During discharge	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
EQL										
WDL177-09 Trigger Values								700	6.5-8.5	
WDL177-09 Triple Trigger Values										
Field ID	**Date**	**Time**	**Sample Comments**							
GS200	**1/02/2021**	**10:28:00**	**Depth= 1.78, colour= clear, Flow=steady**	27.8	3.33	190	44.3	112	6.9	4.8
GS200	**7/02/2021**	**11:32:00**	**Depth= 1.8, Colour= clear, Flow= med-high**	27.1	3.29	100.8	42.9	102.8	6.8	4.1
GS200	**8/02/2021**	**10:09:00**	**Depth= 1.79, colour= clear, Flowmed**	28.4	3.58	168.3	46.3	104.9	7.33	3.5
GS200	**10/02/2021**	**8:00:00**	**Depth= 1.77, Colour= clear,**	28	3.35	196.3	46.6	116	7.11	4.3
GS200	**12/02/2021**	**4:40:00**	**Colour=disc, Depth= 1.7, Flow= med**	28	3.46	273	45	154	6.91	5.5
GS200	**12/02/2021**	**6:13:00**	**Depth= 1.70,**	27.5	3.36	239	44.3	130	6.98	4
GS200	**15/02/2021**	**9:53:00**	**Depth= 1.82, colour= clear, Flow=strong**	28	2.89	73.8	37.9	130.8	7.11	4.8
GS200	**22/02/2021**	**11:12:00**	**Depth= 1.78, colour= clear, Flow=med**	30.2	43.6	144	57.2	131.2	6.77	3.1
Site1	**1/02/2021**	**10:14:00**	**Colour= clear, depth= 300mm, Flow= steady**	28.2	2.78	215	34.4	114.2	6.76	5
Site1	**7/02/2021**	**18:13:00**	**Colour= clear, Flow= low-med**	26.9	3.86	102	48.1	92.3	6.73	23.4
Site1	**8/02/2021**	**17:55:00**	**Colour= clear, depth= 30-40cm, Flow= med**	28.3	3.56	177.4	47.2	89	7.16	4.1
Site1	**10/02/2021**	**17:40:00**	**Colour=hint of green, fast flowing, Depth 1.7**	30.1	6.9	219	90.2	76.2	6.55	7.5
Site1	**12/02/2021**	**5:58:00**	**Colour=clear,**	27.3	3.02	237	38.5	109	6.86	3.7
Site1	**15/02/2021**	**9:35:00**	**Colour= clear, depth= 50cm, Flow= strong**	27.8	2.81	129.8	36.2	89.9	6.81	4.9
Site1	**22/02/2021**	**10:51:00**	**Colour= clear, depth= 30cm, Flow= low-med**	30.4	4.06	147.9	54.3	146.7	6.52	3.4
Site2	**1/02/2021**	**11:26:00**	**Height = 0.36, Colour =**	29.7	3.56	140.1	47.1	345	7.05	6.3
Site2	**8/02/2021**	**10:28:00**	**Height =1.1, Colour = clear**	30	2.83	148.8	36.6	337	7.54	4
Site2	**12/02/2021**	**7:30:00**	**Colour=clear**	28.6	2.57	94.5	34.3	323	7.53	2.7
Site2	**15/02/2021**	**10:36:00**	**Height =.58, Colour = murky green**	30.4	2.71	98.8	35.6	300	7.41	5.7
Site2	**22/02/2021**	**11:47:00**	**Height =.27, Colour = slightly cloudy**	31.1	3.8	126.2	53	239.5	7.22	16.3
Site4	**15/02/2021**	**0:00:00**	**Colour=v clear, Depth=30cm, Flow= strong**	28.7	2.91	95.5	38.8	16.85	6.52	2.8
Site4	**22/02/2021**	**12:03:00**	**Colour= clear, Depth=20cm, Flow= low**	30.1	3.84	116.9	53.4	18.37	6.64	2.9
Site5	**1/02/2021**	**8:03:00**	**colour = clear, depth = 0.42**	25.4	3.33	241	38.1	155	7.38	4.4
Site5	**1/02/2021**	**10:40:00**	**Colour= very clear, Depth= .42, Flow= med**	27.1	2.82	213.2	35.8	74.3	6.74	55.7
Site5	**2/02/2021**	**6:30:00**	**colour=clear, depth=.4**	26.7	1.86	316	23.4	104.5	6.6	55.9
Site5	**3/02/2021**	**7:25:00**	**Colour= clear, , depth=.55, flow= med**	27.6	2.72	211	34.2	64.6	6.77	5.6
Site5	**4/02/2021**	**6:43:00**	**Colour= clear, Depth= .4,**	27.9	1.54	234	19.5	70.9	6.7	3.1
Site5	**5/02/2021**	**7:34:00**	**Colour=clear, , depth=.6**	25.7	3.03	302	36.6	76.3	7.07	15.9
Site5	**6/02/2021**	**7:17:00**	**Colour= clear, , depth=.44, flow= low**	25	2.49	208.2	28.7	66	6.82	3.3
Site5	**7/02/2021**	**7:15:00**	**Colour= clear, , depth=.46, flow= low-med**	25	1.91	307.8	24.1	72	6.68	2.8
Site5	**7/02/2021**	**11:15:00**	**Colour= clear, Depth= .43, Flow= low**	28	207	103.9	26.1	67.5	6.75	2.5
Site5	**8/02/2021**	**9:03:00**	**Colour= clear, , depth=.43, flow= low-med**	27.3	2.77	171	34.6	74.5	6.9	3.8
Site5	**8/02/2021**	**9:14:00**	**Colour= clear, Depth= .43, Flow= low-med**	27.3	1.82	149.3	23	67.9	6.8	2.3
Site5	**9/02/2021**	**7:35:00**	**Colour= clear, , depth=.55, flow= med**	26.9	2.21	164.2	27.5	96.5	6.9	5.2
Site5	**10/02/2021**	**7:10:00**	**Colour= clear, Depth= .4,**	27.5	1.35	209	16.8	75.5	6.73	2.2
Site5	**11/02/2021**	**4:50:00**	**Colour= clear, Depth= .4,**	27.9	2.02	248	26.3	89.7	6.73	2.4
Site5	**12/02/2021**	**7:50:00**	**Colour=very clear, Depth= .55**	27.3	2.11	73.5	27.1	248	7.21	2.2
Site5	**13/02/2021**	**8:05:00**	**Colour= v clear, , depth=.52,**	27.8	2.27	157.1	29.7	252	6.82	1.7
Site5	**14/02/2021**	**7:00:00**	**Colour= v clear, depth=.61, discharge valve open**	25.6	2.13	121.1	24.9	214	7.01	2.4
Site5	**15/02/2021**	**10:04:00**	**Colour= v clear, Depth= .56, Flow= steady**	28.2	1.75	73	21.7	198.2	7.14	2.1
Site5	**16/02/2021**	**8:27:00**	**Colour = v clear, Depth= .58**	27.8	1.87	146.5	26.3	176.2	7.06	2.2
Site5	**17/02/2021**	**7:31:00**	**Colour= clear, Depth= .5, Flow= med**	27.6	2.52	380	32.2	129	7.01	2.6
Site5	**18/02/2021**	**7:28:00**	**Colour= clear, Depth= .5, Flow= med**	27.9	2.56	164	32.7	356	6.85	2.3
Site5	**19/02/2021**	**7:31:00**	**Colour= clear, Depth= .54, Flow= med**	26.9	2.52	233	32.2	155	6.85	3.2
Site5	**20/02/2021**	**7:56:00**	**Colour= clear, Depth= 1.75, Flow= high**	26	3.11	212	38.6	123	6.93	10.2
Site5	**21/02/2021**	**7:12:00**	**Colour= clear, Depth= .56, Flow= med**	27.2	2.94	156.8	33.4	129.9	6.86	5.6
Site5	**22/02/2021**	**11:35:00**	**Colour= clear, clarity= clear, Depth= .48, Flow= med**	29.1	3.14	119.9	42.5	109.3	6.85	2.6
Site5	**23/02/2021**	**7:26:00**	**Colour= clear, clarity= clear, Depth= .48, Flow= low- med**	27.4	3.11	130.2	38.3	123.5	6.77	2.7
Site5	**24/02/2021**	**7:35:00**	**Colour= clear, Clarity= clear, Depth= .54, Flow= med**	26.9	2.37	198.7	29.9	107.8	6.93	2.7
Site5	**25/02/2021**	**7:40:00**	**Colour= clear, clarity= clear, Depth= .50, Flow= med**	22.8	3.12	129.1	39.2	94.2	6.94	3.7
Site5	**26/02/2021**	**6:20:00**	**Colour= clear, Depth= .48, Flow**	25.6	3.56	144.3	44.1	73.4	6.18	3.6
Site5	**27/02/2021**	**8:38:00**	**Colour= clear, Depth= .42, Flow**	25.9	2.11	128.3	26.6	79	6.87	2.8
Site 5	**28/02/2021**	**7:08:00**	**Colour=clear, depth = 0.41, low flow**	26.7	1.92	137.1	25	56.2	6.75	3
TREAT01	**1/02/2021**	**11:43:00**	**Colour= clear, treating**	28.1	4.04	69.7	52.5	374	9.72	2.4
TREAT01	**7/02/2021**	**12:08:00**	**Colour= v clear**	28.7	4.02	61.3	53.6	310	9.8	2.1
TREAT01	**8/02/2021**	**10:45:00**	**Colour= clear, treating**	29.9	3.87	88.4	51.7	325	10.04	6.9
TREAT01	**15/02/2021**	**0:00:00**	**Colour= clear, treating**	28.5	5.23	4.4	68.6	208.5	10.17	7.9
TREAT01	**22/02/2021**	**12:15:00**	**Colour= v clear, treating**	28.8	3.64	40.1	47.8	205	9.8	8.9

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period. Water discharged from the site was of similar quality (field parameters) to that measured in the East Finnis River at GS200. Whilst no discharge was occurring on 26 February 2021, Site 5 recorded a pH of 6.18 which is below the lower bound trigger level. This result appears anomalous in light of the data before/after that measurement. This may have been due to an error in recording the pH value on the field data sheet. The result may have been pH 6.81 which is consistent with the data record.

The metals and inorganics concentrations for samples taken February 2021 are shown in Table 2 along with the Hardness Modified Trigger Values that were calculated in accordance with ANZECC (2000) Table 3.4.3.

Table 2 Laboratory results for February 2021

		Inorganics									Metals																									
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III-VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.0008			0.04		0.013		0.003				0.009			3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
ANZECC (2000) HMTV using GS200 hardness 1/02/2021	No discharge at Site 5													0.001			0.06				0.004				0.016					0.025					0.045
High levels of Cu, Co, Ni at GS200, no discharge at Site 5 with generally low metal conc except Cu																																				
GS 200	**1/02/2021**	20	<10	<20	20	1.9	2.7	49	47	3.8	0.18	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.031	0.023	0.055	0.027	0.41	<0.05	<0.001	<0.001	9	0.11	0.08	0.029	0.021	0.5	<5	<5	0.035	0.025
SITE 1	**1/02/2021**	<20	<10	<20	<20	1.9	2.7	39	38	2.8	0.33	0.06	<0.0002	<0.0002	3	<0.001	<0.001	0.024	0.025	0.061	0.04	0.37	<0.05	<0.001	<0.001	7.5	0.097	0.1	0.023	0.024	0.5	<5	<5	0.022	0.02
SITE 2	**1/02/2021**	39	<10	<20	39	10	4.5	130	160	4.1	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.016	0.009	0.023	0.007	0.08	<0.05	0.011	<0.001	24	0.12	0.085	0.017	0.017	1.1	<5	<5	0.021	0.019
SITE 5	**1/02/2021**	23	<10	<20	23	12	3.1	27	31	1	0.05	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.002	0.002	0.005	0.004	0.34	0.12	0.002	<0.001	5.1	0.013	0.013	0.002	0.002	0.6	<5	<5	0.005	<0.005
SITE 5	**1/02/2021**	26	<10	<20	26	6.9	3.1	33	28	2.2	0.05	<0.05	<0.0002	<0.0002	3.2	<0.001	<0.001	0.001	0.001	0.005	0.005	0.37	0.13	0.002	<0.001	4.9	0.014	0.012	0.002	0.003	0.6	<5	<5	<0.005	0.007
TREAT 01	**1/02/2021**	26	<10	<20	26	3.4	2.5	160	180	9.3	0.14	0.06	0.0002	<0.0002	42	<0.001	<0.001	0.041	0.002	0.26	0.008	<0.05	<0.05	0.049	0.028	18	0.056	0.007	0.03	0.002	0.9	<5	<5	0.049	<0.005
ANZECC (2000) HMTV using GS200 hardness 8/02/2021	No discharge at Site 5													0.001			0.06				0.004				0.016					0.025					0.045
GS 200	**8/02/2021**	21	<10	<20	21	28	3.1	38	47	<1	<0.05	0.14	<0.0002	<0.0002	4.1	<0.001	<0.001	0.029	0.026	0.043	0.055	0.11	0.39	<0.001	<0.001	8.9	0.11	0.1	0.03	0.026	0.6	<5	<5	0.031	0.028
SITE 1	**8/02/2021**	<20	<10	<20	<20	5.3	4	28	30	1.2	0.35	0.08	<0.0002	<0.0002	2.2	<0.001	<0.001	0.02	0.021	0.063	0.045	0.43	0.09	0.002	<0.001	5.8	0.089	0.095	0.021	0.023	1	<5	<5	0.019	0.017
SITE 2	**8/02/2021**	42	<10	<20	42	3.5	4.5	130	160	<1	<0.05	<0.05	<0.0002	<0.0002	26	<0.001	<0.001	0.015	0.008	0.021	0.008	0.07	<0.05	0.014	<0.001	24	0.14	0.11	0.017	0.018	1	<5	<5	0.024	0.02
SITE 4	**8/02/2021**	<20	<10	<20	<20	12	1.8	<5	<5	<1	0.08	0.06	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.002	0.002	0.19	0.11	<0.001	<0.001	0.7	0.006	0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE 5	**8/02/2021**	28	<10	<20	28	8.3	3.3	14	29	<1	<0.05	<0.05	<0.0002	<0.0002	3.3	<0.001	<0.001	<0.001	<0.001	0.004	0.003	0.33	0.17	<0.001	0.002	5.1	0.009	0.009	0.002	0.002	0.6	<5	<5	<0.005	<0.005
SITE 5	**8/02/2021**	28	<10	<20	28	4.8	3.2	28	28	<1	0.05	<0.05	<0.0002	<0.0002	3.1	<0.001	<0.001	<0.001	<0.001	0.004	0.003	0.36	0.16	<0.001	<0.001	5	0.011	0.009	0.002	0.002	0.6	<5	<5	<0.005	<0.005
TREAT 01	**8/02/2021**	<20	29	<20	48	6.2	2.6	110	160	11	<0.05	<0.05	<0.0002	<0.0002	27	0.001	<0.001	0.011	<0.001	0.072	0.005	<0.05	<0.05	0.017	0.003	24	0.019	<0.005	0.008	0.001	1	<5	<5	0.015	<0.005
ANZECC (2000) HMTV using GS200 hardness 10/02/2021	No discharge at Site 5													0.002			0.061				0.004				0.016					0.025					0.046
GS 200	**10/02/2021**	21	<10	<20	21	4.4	3	38	48	<1	0.16	<0.05	<0.0002	<0.0002	4	<0.001	<0.001	0.03	0.023	0.063	0.049	0.41	0.1	<0.001	<0.001	9.3	0.12	0.12	0.028	0.021	0.6	<5	<5	0.032	0.031
SITE 1	**10/02/2021**	<20	<10	<20	<20	4.8	2.4	27	30	3.9	0.17	<0.05	<0.0002	<0.0002	2.2	<0.001	<0.001	0.014	0.014	0.046	0.032	0.38	0.09	0.001	<0.001	6	0.065	0.065	0.014	0.013	0.6	<5	<5	0.012	0.039
SITE 4	**10/02/2021**	<20	<10	<20	<20	2.2	1.8	<5	<5	-0.4	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.17	0.11	<0.001	<0.001	0.6	0.005	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE 5	**10/02/2021**	26	<10	<20	26	27	3	10	28	<1	<0.05	<0.05	<0.0002	<0.0002	2.9	<0.001	<0.001	<0.001	<0.001	0.005	0.003	0.37	0.15	0.001	<0.001	4.9	0.012	0.01	0.001	0.001	0.6	<5	<5	0.005	<0.005
SITE 5	**10/02/2021**	29	<10	<20	29	27	3	7.9	28	<1	0.05	<0.05	<0.0002	<0.0002	2.8	<0.001	<0.001	<0.001	<0.001	0.005	0.002	0.38	0.11	<0.001	<0.001	5	0.012	0.007	0.002	0.001	0.6	<5	<5	<0.005	<0.005
ANZECC (2000) HMTV using GS200 hardness 12/02/2021	Discharge at Site 5													0.002			0.064				0.005				0.019					0.028					0.05
GS 200	**12/02/2021**	<20	<10	<20	<20	26	2.8	55	51	3.6	0.16	<0.05	<0.0002	<0.0002	4.2	<0.001	<0.001	0.036	0.04	0.079	0.057	0.44	0.08	<0.001	<0.001	9.9	0.13	0.15	0.033	0.038	<0.5	<5	<5	0.041	0.047
GS 200 (before discharge)	**12/02/2021**	<20	<10	<20	<20	2.8	2.8	73	51	5.2	0.2	<0.05	<0.0002	<0.0002	4.2	<0.001	<0.001	0.039	0.039	0.083	0.052	0.54	0.08	0.001	<0.001	9.7	0.14	0.15	0.036	0.036	<0.5	<5	<5	0.042	0.044
SITE 1	**12/02/2021**	<20	<10	<20	<20	16	2.7	39	43	4.5	0.23	0.06	<0.0002	<0.0002	3.4	<0.001	<0.001	0.027	0.027	0.071	0.052	0.4	0.07	0.001	<0.001	8.3	0.11	0.11	0.025	0.025	<0.5	<5	<5	0.025	0.024
SITE2	**12/02/2021**	44	<10	<20	44	17	4.1	120	150	1.5	0.6	<0.05	<0.0002	<0.0002	24	<0.001	<0.001	0.01	0.005	0.015	0.007	<0.05	<0.05	0.006	<0.001	23	0.11	0.084	0.016	0.015	0.8	<5	<5	0.019	0.016
SITE 5	**12/02/2021**	48	<10	<20	48	28	4.9	90	110	4	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	0.002	0.002	0.008	0.005	0.21	<0.05	0.001	<0.001	17	0.025	0.024	0.004	0.004	0.6	<5	<5	0.008	0.008
SITE 5	**12/02/2021**	48	<10	<20	48	7.2	4.9	96	100	2	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	0.002	0.002	0.008	0.005	0.22	<0.05	0.001	<0.001	16	0.026	0.024	0.004	0.005	0.6	<5	<5	0.006	<0.005
SITE 5 (before discharge)	**12/02/2021**	26	<10	<20	26	13	2.7	39	26	1.4	<0.05	<0.05	<0.0002	<0.0002	2.6	<0.001	<0.001	0.034	0.002	0.045	0.004	0.07	0.21	<0.001	<0.001	4.7	0.13	0.015	0.031	0.002	<0.5	<5	<5	0.04	<0.005
ANZECC (2000) HMTV using GS200 hardness 15/02/2021	Discharging at Site 5													0.002			0.066				0.005				0.019					0.028					0.05
GS 200	**15/02/2021**	<20	<10	<20	<20	19	<0.5	36	53	4	0.15	<0.05	<0.0002	<0.0002	4.8	<0.001	<0.001	0.026	0.028	0.057	0.037	0.36	<0.05	<0.001	<0.001	9.9	0.11	0.11	0.025	0.025	<0.5	<5	<5	0.031	0.031
SITE 1	**15/02/2021**	<20	<10	<20	<20	6.1	5.3	27	37	2.7	0.21	<0.05	<0.0002	<0.0002	3.8	<0.001	<0.001	0.02	0.019	0.052	0.034	0.39	<0.05	<0.001	<0.001	6.6	0.093	0.091	0.019	0.019	0.7	<5	<5	0.017	0.014
SITE 2	**15/02/2021**	34	<10	<20	34	7.2	2	110	130	5.4	<0.05	<0.05	<0.0002	<0.0002	20	<0.001	<0.001	0.012	0.006	0.016	0.007	0.09	<0.05	0.008	<0.001	20	0.14	0.11	0.014	0.013	<0.5	<5	<5	0.019	0.018
SITE 4	**15/02/2021**	<20	<10	<20	<20	2	<0.5	<5	5.2	<1	0.06	<0.05	<0.0002	<0.0002	0.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.16	0.09	<0.001	<0.001	0.9	0.006	<0.005	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE 5	**15/02/2021**	27	<10	<20	27	22	2.3	60	85	5	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	0.001	0.001	0.006	0.002	0.19	<0.05	0.002	<0.001	13	0.014	0.012	0.004	0.003	<0.5	<5	<5	0.013	0.005
SITE 5	**15/02/2021**	27	<10	<20	27	19	1.6	67	86	4.2	<0.05	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	0.001	0.001	0.005	0.003	0.19	<0.05	<0.001	<0.001	13	0.013	0.012	0.003	0.004	<0.5	<5	<5	0.007	0.006
TREAT 1	**15/02/2021**	<20	22	<20	30	27	3.1	60	94	3.7	0.08	0.06	<0.0002	<0.0002	20	<0.001	<0.001	0.027	<0.001	0.17	0.005	<0.05	<0.05	0.077	0.049	11	0.037	<0.005	0.02	<0.001	0.8	<5	<5	0.036	<0.005

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Discharge from Site 5 was not occurring between 1 February – 11 February 2021 and 25 February – 28 February 2021.

3: On 12 February 2021, samples were collected at GS200 and Site 5 one hour prior to the commencement of discharge, and then one hour after the commencement of discharge, for comparison purposes. Note that water quality prior to discharge was worse than after discharge. The water quality at GS200 is considerably worse that at Site 5 during discharge, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

4: Samples were collected on 22 February 2021, however the results have not been provided by the laboratory at the time of report preparation. These results will be included in the March 2021 monthly report.

Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Total discharge for event 184,150 m^3

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event

Start Date = 12 February 2021

Time start: 0540 hrs

End Date = 22 February 2021

Time End: 0740 hrs

Duration of event: ~ 12 days, 2 hours, 0 mins

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated February 2021: **136 ML**
Total water discharged February 2021: **184 ML**
Total water used for dust suppression for February 2021: **0 m^3**
Total rainfall for February 2021: **508 mm**

Pond name	Gauge height (1/1/2021)	Gauge height (31/1/2021)
Sed dam	0.46	1.10
Pit level	55.20	55.45
BSS	0.29	1.10
PAF	0.30	0.68
SP3	0.65	0.63
SRO	0.38	0.38

Discharge event
A measured flow total of 184,150 m^3 of water was discharged during February 2021.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Hardness Modified Trigger Levels were calculated in accordance with the methodology described in ANZECC (2000) Table 3.4.3 and applied where the river hardness at GS200 was greater than 30 mg/L as $CaCO_3$.

Non-conformances to the relevant trigger levels are highlighted in Table 2. However, no discharge was occurring from Site 5 between 1 -12 and 25-28 February 2021, and as such, NTR does not consider that these results constitute a non-compliance with the discharge criteria specified in WDL177-09. Of note is the consistently high concentration of copper, cobalt, nickel and zinc on samples collected at the GS200 site which is located in the East Finnis River. The GS200 results exceed the copper, cobalt, nickel and zinc concentration measured at the Site 5 monitoring location by an order of magnitude. This suggests that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

On 12 February 2021, a non-conformance with the standard Trigger Level for copper was recorded for Site 5 for the sample collected 1 hour before the commencement of discharge and the samples collected 1 hour after discharge commenced. However, the results at Site 5 both before and after the commencement of discharge did not excees the Hardeness Modified Trigger Level. Site 5 complied with all WDL requirements for samples taken on 15 February 2021.

Licence condition 42.6 -	***Water quality management actions taken in the event of an exceedance.***

In accordance with Condition 39 of WDL177-09, there were no instances of non-compliance with WDL177-09 as the exceedance for copper detected on the 12 February 2021 after the commencement of discharge was less than the Hardness Modified Trigger Level and the three times trigger value specified in Appendix 2, and had not been exceeded on three consecutive occasions. No management action was needed.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards

Dr Andrew Tong

Director

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-091
10 April 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – March 2021 Monthly Discharge Report as per Licence Condition 42

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for March 2021.

Two discharge events occurred during March 2021;

- commenced on 3 March 2021 at 10:10 hrs and ceased 11 March 2021 at 08:40 hrs.
- commenced 22 March 2021 at 11:35 hrs and continuing to 4 April 2021 at 08:20 hrs

Relevant water quality parameters and metal concentrations were recorded during March 2021 (see Tables 1 & 2). The redox probe broke on 7 March 2021 and a replacement has been ordered. There are no compliance limits for redox in the WDL.

Note that a large salt water crocodile was observed in the East Finnis River on 18 March 2021. Sampling at Site 1 and GS200 was subsequently suspended for safety reasons. NTR advised the NT EPA of this on 19 March 2021 by email and phone, and submitted a written non-compliance notification on 30 March 2021. Alternative means of sampling are under investigation and a ranger has been on-site to set a trap to remove the animal.

Please note that samples were collected on 22 February 2021 in accordance with the monitoring schedule described in Schedule 1 of the WDL, however the results were not available to NTR from the laboratory in time for the February 2021 monthly report. These results are provided in this report.

Samples were collected on 21 and 29 March 2021. These results were not available to NTR from the laboratory in time for the March 2021 monthly report. These results will be reported in the April 2021 monthly discharge report.

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during March 2021 are shown in Table 1.

Table 1 Field monitoring results for March 2021

			During discharge	Field						Inorganics
				Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (Field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 Trigger Values								700	6.5-8.5	
Field ID	**Date**	**Time**	**Sample Comments**							
GS200	1/03/2021	8:02:00	Depth= 1.65, colour= clear, Flow=med	27.9	3.13	151.9	41.2	172.6	6.88	3.2
GS200	3/03/2021	7:58:00	Colour=clear, Depth= 1.62, Flow= low-med	27.4	3.39	176.6	41.1	186.5	6.91	3.2
GS200	3/03/2021	8:05:00	Depth= 1.62, Colour= clear, Flow= low-med	27.5	3.29	175.3	42.6	186.2	6.9	3.1
GS200	3/03/2021	11:27:00	Colour= clear, Depth= 1.65, Flow= low-med	30	4.12	151.9	53.7	182.9	7.01	3.9
GS200	6/03/2021	8:42:00	Depth= 1.61, Colour= clear,	28.7	2.97	161	38.6	208	7.07	2.9
GS200	8/03/2021	8:05:00	Depth= 1.61, colour= clear, Flow=low-med	27.6	3.2		40.7	197	7	6
GS200	15/03/2021	7:47:00	Depth= 1.54, colour= clear, Flow=med	27.4	3.26		42.4	232	7.03	5
GS200	18/03/2021	13:07:00	Depth= 2.52, Colour= little dirty, Flow= high	26.6	4.04		50.9	32.7	7.16	11.7
GS200	21/03/2021		No samples due to croc							
GS200	29/03/2021		No samples due to croc							
Site1	1/03/2021	17:43:00	Colour= clear, depth= 20cm, Flow= low-med	29.7	3.29	191.6	43.7	192.9	6.84	2.9
Site1	3/03/2021	8:53:00	Colour= clear, Flow= low Depth= .3cm	27.5	3.86	144.1	50.1	172.5	6.93	6.3
Site1	3/03/2021	11:09:00	Colour=clear, Depth= 20cm, Flow-= low	30.2	4.44	161.6	57.4	171.2	6.95	3.1
Site1	6/03/2021	8:25:00	Colour=clear, Depth .3	28.3	4.08	165	52.8	212	6.89	2.9
Site1	8/03/2021	7:49:00	Colour= clear, depth= 20-30cm, Flow= steady, low-med	26.6	2.96		33	185	7.08	4.3
Site1	15/03/2021	7:34:00	Colour= clear, depth= 20cm, Flow=low,	24.2	3.33		41.7	270	7.29	2.9
Site1	18/03/2021	14:19:00	Colour= brownish, Flow=high Depth= 1.15m	27.4	3.61		46.8	40.8	8.41	18.1
Site1	21/03/2021		No samples due to croc							
Site1	29/03/2021		No samples due to croc							
Site2	1/03/2021	8:28:00	Height =1.12, Colour =clear	30.1	2.69	156.5	36.4	229.1	7.45	2.9
Site2	3/03/2021	7:45:00	Colour=clear, Depth= 1.31,	28.6	4.22	153.8	53.7	234.1	7.42	2.5
Site2	8/03/2021	9:10:00	Height =.26, Colour =clear	30.1	2.49		33	245	7.02	7.9
Site2	15/03/2021	8:24:00	Height =.4, Colour =clear	28.2	2.25		30.3	294	6.85	1.7
Site2	21/03/2021	11:00:00	Height =1.56, Colour =clear	30	3.47		45.3	246	8.04	5.1
Site2	29/03/2021	11:32:00	Height =.28, Colour =clear, green tinge	31.6	4.29		58.1	277	7.54	2.3
Site4	1/03/2021	8:46:00	Colour= clear, Depth=20cm, Flow= low	27.3	2.89	156.4	36.8	17.12	6.55	2.9
Site4	3/03/2021	9:23:00	Colour= clear, Flow= low Depth= .2cm	27.9	3.22	138.7	42.3	16.55	6.57	2.9
Site4	3/03/2021	12:23:00	Colour= clear, Depth=20cm, Flow= low	30.7	4.29	118.7	56.7	19.16	6.71	2.9
Site4	6/03/2021	9:42:00	Colour= clear, Depth=.1	28	3.55	149	46.6	17.91	6.99	3.4
Site4	8/03/2021	8:53:00	Colour= v clear, Depth=15cm, Flow= low	26.6	3.02		36.1	2.3	6.59	3.2
Site4	15/03/2021	9:14:00	Colour= clear, Depth=10cm, Flow= low	27.6	3.2		40.6	20.71	7.22	3
Site4	18/03/2021	13:23:00	Colour= light brackish, Flow= low Depth= 20cm	30.1	4.22		53.9	15.44	7.27	4.7
Site4	21/03/2021	11:15:00	Colour= , Depth=, Flow=	29.4	3.34		45.6	18.58	7.72	3.6
Site4	22/03/2021	12:06:00	Colour= clear, Depth=, Flow=	31.8	4.27		56.7	17.8	7.35	2.9
Site4	29/03/2021	11:50:00	Colour= v clear, Depth=20cm, Flow= low	31.2	4.42		57.3	18.63	7.65	2.4
Site5	1/03/2021	7:30:00	Colour = clear, Depth = 0.40, Flow= low	26.7	2.26	131.2	28.6	96	6.79	2.8
Site5	2/03/2021	7:20:00	Colour= clear, Depth= .39, Flow= low-med	26.4	2.01	155.6	25.1	53.6	6.75	3.1
Site5	3/03/2021	8:15:00	Colour= slightly brackish, Depth= .38, Flow= low	28.2	2.08	151.7	26.9	55.7	6.78	5
Site5	3/03/2021	8:22:00	Colour= slightly brackish, Depth= .38, Flow= low	28.1	2	149.7	25.6	53.2	6.78	5.7
Site5	3/03/2021	8:31:00	Colour= slightly brackish, Depth= .38, Flow= low-med	26.9	1.68	139.2	21.4	53.5	6.79	2.8
Site5	3/03/2021	12:08:00	Colour= clear, Depth= .5	29.7	3.16	131.1	41.6	197	7.16	1.9
Site5	4/03/2021	8:18:00	Colour= clear, Depth= .51, Flow=	29.3	2.94	138	36.5	193	7.41	2.4
Site5	5/03/2021	7:43:00	Colour= clear, depth= .54	27.8	2.93	137	37	223	6.89	2.5
Site5	6/03/2021	9:10:00	Colour= clear, Depth= .5, Flow= med	29.8	2.56	154	34.3	193	6.95	1.2
Site5	7/03/2021	7:16:00	Colour= clear, Depth= .5	29	2.27		29.2	234	7.39	1.6
Site5	8/03/2021	8:20:00	Colour= v clear, depth= .42,	27.4	2.14		28.4	156.8	6.92	2.4
Site5	9/03/2021	7:18:00	Colour= v clear, depth= .41	26.5	2.45		31.7	178.5	7	2.8
Site5	10/03/2021	7:40:00	Colour= v clear, depth= .41	27.6	2.06		26.3	180.1	6.85	2.1
Site5	11/03/2021	8:30:00	Colour= v clear, Depth= .4	20	2.13		28.3	199.8	6.85	1.6
Site5	12/03/2021	8:00:00	Colour= v clear, Depth= .32	24.8	2.02		24.7	166.4	6.79	1.3
Site5	13/03/2021	7:38:00	Colour= v clear, Depth= .32	27.9	1.74		22.4	92.4	6.7	3.3
Site5	14/03/2021	8:08:00	Colour= v clear, Depth= .32, Flow= low-med	27.3	1.57		20.1	87.3	6.69	3.3
Site5	15/03/2021	7:56:00	Colour= clear, Depth= .32, Flow= low	27.9	2.94		28.1	68.7	7.21	4.3
Site5	15/03/2021	7:58:00	Colour= clear, Depth= .32, Flow= low	27.8	2.16		28.5	68.6	6.97	3.8
Site5	16/03/2021	9:13:00	Colour= dirty, Depth= .86, Flow= high	23.7	2.96		35.9	37.4	7.86	21.2
Site5	17/03/2021	9:32:00	Colour= v clear, depth= .44,	25.4	3.19		51.1	63.7	7.49	6.5
Site5	18/03/2021	12:52:00	Colour= slightly brackish, Depth= .5, Flow= low-med	26.9	3.59		45	52.8	7.67	12.1
Site5	19/03/2021	7:30:00	Colour= clear, Depth= .46,	24.4	2.51		31	63	7.18	4.6
Site5	20/03/2021	7:15:00	Colour= clear, Depth= .4	20.2	2.98		37	129	7.14	4.2
Site5	21/03/2021	10:23:00	Colour= clear, Depth= .4	27.7	3.41		42.8	76.9	7.03	3.3
Site5	22/03/2021	12:42:00	Colour= clear, Depth= .52	31.1	3.93		53.9	187	7.03	2.1
Site5	23/03/2021	6:51:00	Colour= clear, Clarity= v clear, Depth= .52, Flow= steady	28.3	2.27		29	308	7.25	3.2
Site5	24/03/2021	7:05:00	Colour= clear, Clarity= clean, Depth= .54, Flow= med-fast	27.9	3.37		26.6	182.1	7.31	2.7
Site5	25/03/2021	7:29:00	Colour= clear, Clarity= clean, Depth= .53, Flow= med-fast	28	2.52		34.6	187.4	7.29	1.7
Site5	26/03/2021	6:15:00	Colour= clear, Clarity= clean, Depth= .51, Flow= med-fast	27.6	2.71		30.5	185.3	7.34	2.1
Site 5	27/03/2021	9:07:00	Colour= v clear, Depth= .50, Flow= med-fast	24.1	2.5		32.8	243.1	7.4	1.7
Site5	28/03/2021	8:00:00	Colour= v clear, Clarity= v clear, Depth= .49, Flow= low-me	28.2	2.31		29.1	194	7.38	1.5
Site5	29/03/2021	7:05:00	Colour= clear, Depth= .42, Flow= med	27.3	2.69		26.1	176.4	7.24	1.7
Site5	29/03/2021	11:00:00	Colour= v clear, Depth= .42, Flow= low-med	29.2	2.45		33	172.3	7.2	2.1
Site5	30/03/2021	7:50:00	Colour= clear, Depth= .43, Flow= low-med	24.9	2.2		28.4	176.2	7.25	1.9
Site 5	31/03/2021	7:55:00	Colour= clear, Depth=.42,	25.3	1.72		28.5	186.4	7.21	2.8
TREAT01	1/03/2021	9:06:00	Colour= v clear, treating	30	2.71	93.7	38	262	9.47	3.8
TREAT01	3/03/2021	12:40:00	Colour= very clear	31	3.66	48.9	50.2	302	9.55	2.8
TREAT01	6/03/2021	9:56:00	Colour= clear	28.7	3.62	60.1	47.7	296	9.58	2
TREAT01	8/03/2021	9:48:00	Colour= v clear, treating	30.1	3.13		43.2	276	9.5	5.7
TREAT01	18/03/2021	13:40:00	Colour= v clear	28.7	3.61		46.8	203.2	9.75	12.4
TREAT01	21/03/2021	10:47:00	Colour= clear, treating	29.9	4.01		3.79	240	9.64	3.7
TREAT01	22/03/2021	12:58:00	Colour=	30.4	3.84		51	262	9.66	2.3
TREAT01	29/03/2021	12:07:00	Colour= v clear, treating	30.3	2.69		37	279	9.42	2.8

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period. Water discharged from the site was of similar quality (field parameters) to that measured in the East Finnis River at GS200.

The metals and inorganics concentrations for samples taken March 2021 are shown in Table 2 along with the Hardness Modified Trigger Values that were calculated in accordance with ANZECC (2000) Table 3.4.3.

Table 2 Laboratory results for March 2021

		Inorganics									Metals																								
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.0008			0.04		0.013		0.003				0.009	0.5		3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
ANZECC (2000) HMTV using GS200 hardness 22/02/2021	Discharge at Site 5													0.002			0.063				0.005				0.017					0.026					0.045
GS200	**22/02/2021**	<20	<10	<20	<20	29	2.2	59	50	4	0.15	<0.05	<0.0002	<0.0002	4.9	0.14	<0.001	0.042	0.041	0.092	0.051	0.98	<0.05	<0.001	<0.001	9.2	0.17	0.16	0.11	0.04	0.5	<5	<5	0.046	0.039
SITE1	**22/02/2021**	<20	<10	<20	<20	33	2.1	38	36	8.2	0.35	<0.05	<0.0002	<0.0002	3	0.14	<0.001	0.031	0.031	0.093	0.054	0.9	<0.05	<0.001	<0.001	6.9	0.13	0.13	0.1	0.032	0.5	<5	<5	0.03	0.027
SITE2	**22/02/2021**	29	<10	<20	29	2.4	2.8	84	100	6.6	0.08	<0.05	<0.0002	<0.0002	17	0.16	0.002	0.014	<0.001	0.027	0.007	0.88	<0.05	0.014	<0.001	15	0.078	0.005	0.096	0.015	0.6	<5	<5	0.029	0.016
SITE4	**22/02/2021**	<20	<10	<20	<20	5.8	1.4	<5	<5	2.3	0.07	<0.05	<0.0002	<0.0002	<0.5	0.14	<0.001	<0.001	<0.001	0.004	0.001	0.81	0.08	<0.001	<0.001	<0.5	0.012	<0.005	0.073	<0.001	0.6	<5	<5	0.008	<0.005
SITE5	**22/02/2021**	22	<10	<20	22	18	2.4	46	43	6.7	0.06	<0.05	<0.0002	<0.0002	6.8	4.1	<0.001	0.02	<0.001	0.072	0.004	17	0.05	<0.001	<0.001	6.4	0.15	0.005	1.9	0.002	0.5	<5	<5	0.047	<0.005
SITE5	**22/02/2021**	22	<10	<20	22	7.5	2.2	32	42	5.8	<0.05	<0.05	<0.0002	<0.0002	6.4	<0.001	<0.001	<0.001	<0.001	0.003	0.005	0.22	<0.05	<0.001	<0.001	6.4	0.008	0.007	0.002	0.002	<0.5	<5	<5	0.006	<0.005
TREAT1	**22/02/2021**	22	11	<20	33	2.0	1.3	67	91	6.6	<0.05	<0.05	<0.0002	<0.0002	15	0.15	<0.001	0.024	0.003	0.15	0.009	0.72	<0.05	0.065	0.03	13	0.038	<0.005	0.089	0.004	0.5	<5	<5	0.03	<0.005
ANZECC (2000) HMTV using GS200 hardness 1/3/2021	No discharge at Site 5													0.002			0.094				0.007				0.03					0.038					0.07
GS200	**1/03/2021**	<20	<10	<20	<20	4.3	<5	60	78	4	0.21	<0.05	<0.0002	<0.0002	7.2	<0.001	<0.001	0.061	0.061	0.13	0.081	0.34	<0.05	<0.001	<0.001	15	0.19	0.18	0.054	0.055	<5	6	<5	0.066	0.064
SITE2	**1/03/2021**	31	<10	<20	31	3.7	<5	75	110	3	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.001	0.001	0.007	0.006	<0.05	<0.05	0.001	<0.001	15	0.013	0.012	0.01	0.01	<5	<5	<5	0.014	0.012
SITE4	**1/03/2021**	<20	<10	<20	<20	5.2	<5	<5	5.5	7.6	0.06	<0.05	<0.0002	<0.0002	<5	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.18	0.08	<0.001	<0.001	<5	0.009	0.008	<0.001	<0.001	<5	<5	<5	<0.005	<0.005
SITE5	**1/03/2021**	<20	<10	<20	<20	1.5	<5	8.5	13	3	<0.05	<0.05	<0.0002	<0.0002	<5	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.39	0.17	0.001	<0.001	<5	0.02	0.017	0.001	<0.001	<5	<5	<5	<0.005	<0.005
SITE5	**1/03/2021**	<20	<10	<20	<20	1.7	<5	8.4	46	2	<0.05	<0.05	<0.0002	<0.0002	6.5	<0.001	0.003	<0.001	<0.001	0.002	0.002	0.3	0.2	0.001	<0.001	7.2	0.01	0.01	<0.001	0.001	<5	<5	<5	0.012	<0.005
TREAT01	**1/03/2021**	30	10	<20	40	2.5	<5	87	130	9.8	0.06	<0.05	0.0002	<0.0002	20	<0.001	<0.001	0.054	0.011	0.31	0.02	<0.05	<0.05	0.17	0.093	20	0.087	0.016	0.04	0.01	<5	<5	<5	0.048	0.006
ANZECC (2000) HMTV using GS200 hardness 3/3/2021	Discharge at Site 5													0.003			0.104				0.007				0.035					0.042					0.077
GS200	**3/03/2021**	<20	<10	<20	<20	2.1	2.9	65	88	4.1	0.18	<0.05	0.0003	0.0002	8.7	<0.001	<0.001	0.07	0.07	0.11	0.079	0.3	<0.05	<0.001	<0.001	16	0.2	0.2	0.057	0.062	0.7	6	<5	0.078	0.078
GS200 (1hr before discharge)	**3/03/2021**	<20	<10	<20	<20	3.9	2.7	16	21	1.1	0.05	<0.05	<0.0002	<0.0002	2.1	0.001	<0.001	0.001	0.001	0.003	<0.001	0.45	0.2	0.001	<0.001	3.8	0.016	0.014	<0.001	0.001	0.7	<5	<5	<0.005	<0.005
SITE1	**3/03/2021**	<20	<10	<20	<20	1.8	2.9	68	75	1.8	0.32	<0.05	0.0002	0.0003	6.6	<0.001	<0.001	0.055	0.055	0.13	0.086	0.25	<0.05	<0.001	<0.001	14	0.14	0.14	0.049	0.049	0.7	6	<5	0.07	0.07
SITE4	**3/03/2021**	<20	<10	<20	<20	4.6	2.3	<5	11	<1	0.06	<0.05	<0.0002	<0.0002	1.6	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.18	0.09	<0.001	<0.001	1.8	0.006	0.006	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**3/03/2021**	<20	<10	<20	<20	1.8	2.7	15	16	2.7	<0.05	<0.05	<0.0002	<0.0002	1.5	0.001	0.001	0.001	0.001	0.004	0.003	0.43	0.2	0.002	<0.001	3	0.015	0.015	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**3/03/2021**	<20	<10	<20	<20	3.9	2.7	12	17	<1	0.05	<0.05	<0.0002	<0.0002	1.5	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.47	0.2	0.001	<0.001	3.1	0.015	0.015	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5 (1hr before discharge)	**3/03/2021**	<20	<10	<20	<20	3.2	3	73	83	3.1	0.24	<0.05	0.0002	0.0002	7.8	<0.001	<0.001	0.066	0.071	0.13	0.083	0.31	<0.05	0.001	<0.001	15	0.2	0.2	0.058	0.062	0.8	6	<5	0.075	0.078
ANZECC (2000) HMTV using GS200 hardness 6/3/2021	Discharge at Site 5													0.003			0.117				0.008				0.042					0.047					0.086
GS 200	**6/03/2021**	<20	<10	<20	<20	12	3.1	72	100		0.15	<0.05	0.0002	0.0002	12	<0.001	<0.001	0.062	0.06	0.092	0.058	0.25	<0.05	<0.001	<0.001	18	0.17	0.17	0.055	0.054	0.7	5	<5	0.073	0.071
SITE 1	**6/03/2021**	<20	<10	<20	<20	1.8	2.6	68	80		0.31	0.06	0.0003	0.0003	6.3	<0.001	<0.001	0.069	0.061	0.13	0.079	0.23	<0.05	<0.001	<0.001	16	0.16	0.14	0.062	0.055	0.6	7	<5	0.093	0.082
SITE 2	**6/03/2021**	32	<10	<20	32	15	3.3	76	110		<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.002	0.002	0.009	0.007	<0.05	<0.05	0.001	<0.001	16	0.019	0.018	0.009	0.008	0.7	<5	<5	0.012	0.012
SITE 4	**6/03/2021**	<20	<10	<20	<20	1.4	1.9	<5	9.1		0.06	<0.05	<0.0002	<0.0002	1.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.21	0.07	<0.001	<0.001	1.5	0.007	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE 5	**6/03/2021**	25	<10	<20	25	5.2	0.6	54	17		<0.05	<0.05	<0.0002	<0.0002	2.5	<0.001	<0.001	0.001	<0.001	0.005	<0.001	0.17	<0.05	<0.001	<0.001	2.5	0.013	<0.005	0.003	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE 5	**6/03/2021**	29	<10	<20	29	2.7	3.2	58	89		<0.05	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	0.002	0.001	0.007	0.003	0.21	<0.05	<0.001	<0.001	13	0.017	0.014	0.003	0.003	0.6	<5	<5	0.019	0.007
TREAT 1	**6/03/2021**	<20	17	<20	33	11	3.1	84	140		<0.05	<0.05	<0.0002	<0.0002	14	0.001	<0.001	0.007	<0.001	0.007	0.002	<0.05	<0.05	0.004	<0.001	26	0.021	<0.005	0.009	0.003	0.9	<5	<5	0.01	<0.005
ANZECC (2000) HMTV using GS200 hardness 8/3/2021	Discharge at Site 5													0.002			0.097				0.007				0.032					0.04					0.072
GS200	**8/03/2021**	<20	<10	<20	<20	5.9	6.5	69	81	1.9	0.25	<0.05	<0.0002	<0.0002	7.3	<0.001	<0.001	0.062	0.06	0.11	0.059	0.39	<0.05	<0.001	<0.001	15	0.2	0.19	0.057	0.055	1.7	6	<5	0.076	0.071
SITE 1	**8/03/2021**	<20	<10	<20	<20	4.3	6.5	65	77	11	0.4	0.06	0.0002	0.0002	6	<0.001	<0.001	0.055	0.053	0.12	0.073	0.33	<0.05	<0.001	<0.001	15	0.16	0.15	0.052	0.048	1.5	7	<5	0.076	0.07
SITE 2	**8/03/2021**	35	<10	<20	35	2.5	6.9	79	79	<1	<0.05	<0.05	<0.0002	<0.0002	11	<0.001	<0.001	0.008	0.004	0.016	0.008	0.05	<0.05	0.003	<0.001	13	0.046	0.024	0.01	0.009	1.9	<5	<5	0.014	0.012
SITE 4	**8/03/2021**	<20	<10	<20	<20	3.4	5.4	<5	<5	<1	0.06	<0.05	<0.0002	<0.0002	0.5	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.19	0.07	<0.001	<0.001	0.8	0.005	0.005	<0.001	<0.001	1.8	<5	<5	<0.005	<0.005
SITE 5	**8/03/2021**	25	<10	<20	25	1.8	7	45	66	1.7	<0.05	<0.05	<0.0002	<0.0002	11	<0.001	<0.001	0.002	0.002	0.006	0.002	0.31	0.06	0.001	<0.001	9.7	0.026	0.022	0.003	0.003	1.7	<5	<5	0.006	<0.005
SITE 5	**8/03/2021**	31	<10	<20	31	13	6.6	46	39	<1	<0.05	<0.05	<0.0002	<0.0002	4.9	<0.001	<0.001	0.001	0.001	0.004	0.002	0.29	0.07	<0.001	<0.001	6.4	0.023	0.022	0.003	0.003	1.8	<5	<5	<0.005	<0.005
TREAT01	**8/03/2021**	<20	21	<20	39	3.3	6.3	92	140	1.4	<0.05	<0.05	<0.0002	<0.0002	14	0.001	<0.001	0.004	<0.001	0.005	0.001	<0.05	<0.05	0.003	<0.001	24	0.013	<0.005	0.005	0.002	2.3	<5	<5	0.006	<0.005
ANZECC (2000) HMTV using GS200 hardness 15/3/2021	No discharge													0.003			0.103				0.007				0.035					0.042					0.072
GS200	**15/03/2021**	460	<10	<20	460	72	2.5	78	87	1.5	0.19	0.08	0.0002	0.0002	7.5	<0.001	<0.001	0.078	0.085	0.11	0.077	0.45	0.15	<0.001	<0.001	17	0.25	0.25	0.069	0.076	0.6	6	<5	0.096	0.1
SITE 1	**15/03/2021**	27	<10	<20	27	4.6	2.2	83	110	2.3	0.26	<0.05	0.0003	0.0003	9.9	<0.001	<0.001	0.071	0.075	0.098	0.07	0.24	<0.05	<0.001	<0.001	21	0.22	0.22	0.061	0.065	0.5	6	<5	0.091	0.095
SITE 2	**15/03/2021**	50	<10	<20	50	2.3	3.1	88	130	<1	<0.05	<0.05	<0.0002	<0.0002	19	<0.001	<0.001	0.001	0.001	0.009	0.009	<0.05	<0.05	<0.001	<0.001	21	<0.005	<0.005	0.007	0.008	0.7	<5	<5	0.011	0.011
SITE 4	**15/03/2021**	<20	<10	<20	<20	18	1.5	<5	<5	<1	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.09	0.08	<0.001	<0.001	<0.5	0.007	0.007	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE 5	**15/03/2021**	990	<10	<20	990	1	2.2	8.3	22	<1	0.05	<0.05	<0.0002	<0.0002	2.9	<0.001	<0.001	0.002	0.002	0.003	0.002	0.98	0.26	0.002	<0.001	3.6	0.039	0.042	0.001	0.001	0.7	<5	<5	<0.005	<0.005
SITE 5	**15/03/2021**	340	<10	<20	340	14	2.2	6.7	32	<1	0.06	<0.05	<0.0002	<0.0002	4.6	<0.001	<0.001	0.002	0.002	0.005	0.003	0.93	0.24	0.002	<0.001	4.8	0.047	0.039	0.001	0.001	0.7	<5	<5	0.007	<0.005
TREAT01	**15/03/2021**	No treatment occurring																																	
ANZECC (2000) HMTV using GS200 hardness 18/3/2021	No discharge													0.002			0.076				0.006				0.023					0.032					0.057
GS200	**18/03/2021**	690	<10	<20	690	<1	<0.5	25	62	<1	0.16	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	0.006	0.005	0.013	0.01	0.23	0.07	0.001	<0.001	1.2	0.028	0.022	0.006	0.005	0.7	<5	<5	0.009	0.01
SITE1	**18/03/2021**	<20	<10	<20	<20	4.2	0.7	11	10	<1	0.4	0.09	<0.0002	<0.0002	1	<0.001	<0.001	0.007	0.007	0.048	0.037	0.17	<0.05	0.001	<0.001	1.9	0.032	0.031	0.009	0.009	0.7	<5	<5	0.008	0.007
SITE4	**18/03/2021**	710	<10	<20	710	12	1.1	<5	<5	<1	0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.13	0.07	<0.001	<0.001	<0.5	0.006	0.006	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
SITE5	**18/03/2021**	61	<10	<20	61	23	1.5	7.3	11	<1	0.09	<0.05	<0.0002	<0.0002	1	<0.001	<0.001	<0.001	<0.001	0.003	0.002	0.3	0.1	<0.001	<0.001	2	<0.005	<0.005	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
SITE5	**18/03/2021**	1,100	<10	<20	1,100	24	1.5	6	21	<1	0.06	<0.05	<0.0002	<0.0002	2.8	<0.001	<0.001	<0.001	<0.001	0.004	0.002	0.25	0.11	<0.001	<0.001	3.4	0.006	<0.005	<0.001	<0.001	0.6	<5	<5	<0.005	<0.005
TREAT01	**18/03/2021**	<20	34	<20	42	23	1.2	47	86	3.2	<0.05	<0.05	<0.0002	<0.0002	15	0.001	<0.001	0.009	0.001	0.054	0.007	<0.05	<0.05	0.017	0.004	12	0.019	<0.005	0.007	0.001	<0.5	<5	<5	0.013	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	Discharging																																		
SITE2	**22/03/2021**	37	<10	<20	37	3.6	2.9	83	110	1	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	<0.001	<0.001	0.007	0.006	<0.05	<0.05	0.002	<0.001	17	0.007	<0.005	0.006	0.006	0.7	<5	<5	0.019	0.019
SITE4	**22/03/2021**	<20	<10	<20	<20	33	1.4	8.8	<5	2	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.18	0.07	<0.001	<0.001	0.6	0.006	0.006	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
SITE5	**22/03/2021**	<20	<10	<20	<20	3.5	2.1	14	19	1.9	<0.05	<0.05	<0.0002	<0.0002	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.36	0.11	<0.001	<0.001	3.4	0.008	0.008	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE5	**22/03/2021**	<20	<10	<20	<20	1.7	2	12	19	1	0.05	<0.05	<0.0002	<0.0002	1.9	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.34	0.11	<0.001	<0.001	3.5	0.008	0.008	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE5 (1hr before discharge)	**22/03/2021**	<20	<10	<20	<20	11	2.4	12	19	<1	<0.05	<0.05	<0.0002	<0.0002	1.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.39	0.12	<0.001	<0.001	3.5	0.009	0.009	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
TREAT01	**22/03/2021**	25	<10	<20	25	13	0.9	99	110	4.6	0.23	0.22	<0.0002	<0.0002	24	<0.001	<0.001	0.014	0.004	0.079	0.015	<0.05	<0.05	0.05	0.05	12	0.022	0.009	0.009	0.002	0.6	<5	<5	0.015	0.008

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Discharge from Site 5 was not occurring between 1 March – 3 March 2021 and 11 March – 22 March 2021.

3: Samples were collected at GS200 and Site 5 one hour prior to the commencement of discharge, and then one hour after the commencement of discharge, for comparison purposes. Note that water quality prior to discharge was worse than after discharge. The water quality at GS200 is considerably worse that at Site 5 during discharge, indicating that water quality from the discharge point was having negligible impact on the East Finnis River.

4: Samples were collected on 21 & 29 March 2021, however the results have not been provided by the laboratory at the time of report preparation. These results will be included in the April 2021 monthly report.

Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Total discharge of 296,908 m^3 for event between 2 – 11 March with discharge volume 110,755 m3, and for event between 22 March – 4 April 2021 with discharge volume 186,153 m^3.

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event 1

Start Date = 3 March 2021

Time start: 1010 hrs

End Date = 11 March 2021

Time End: 0800 hrs

Duration of event: 7 days, 22 hours, 30 mins

Discharge volume: 110,755 m^3

Event 2

Start Date = 22 March 2021

Time start: 1135 hrs

End Date = 4 April 2021

Time End: 08:20

Duration of event: 12 days, 20 hours, 45 mins

Discharge volume: 186,153 m^3

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated March 2021: **164 ML**
Total water discharged March 2021: **297ML (1 March - 4 April 2021)**
Total water used for dust suppression for March 2021: **0 m^3**
Total rainfall for March 2021: **366 mm**

Pond name	Gauge height (1/132021)	Gauge height (31/3/2021)
Sed dam	1.17	0.26
Pit level	56.41	56.14
BSS	0.81	0.61
PAF	0.16	0.40
SP3	0.69	0.57
SRO	0.35	0.62

Discharge events
A measured flow total of 296,908 $m^3$of water was discharged during 1 March to 4 April 2021.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Hardness Modified Trigger Levels were calculated in accordance with the methodology described in ANZECC (2000) Table 3.4.3 and applied where the river hardness at GS200 was greater than 30 mg/L as $CaCO_3$. Non-conformances to the relevant trigger levels are highlighted in Table 2.

Samples were taken on 22 February 2021 whilst discharge was occurring in February 2021 (NB: discharged ceased on 24 February 2021). Laboratory results had not been provided to NTR at the time of the February 2021 monthly report submission. There was a non-conformance with the trigger level for copper on 22 February at Site 5, however the three time trigger level and the Hardness Modified Trigger Levels were not exceeded. As such, NTR does not consider this to be a non-compliance with the WDL requirements. We also note that the concentration of copper, cobalt, nickel and zinc measured at GS200 on 22 February 2021 was about one order of magnitude higher than the metal concentrations that measured at Site 5, suggesting that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

Discharge was occurring from Site 5 between 3-11 March and 22 March - 4 April 2021. No non-conformances with the Trigger Levels at Site 5 (ie whilst discharging) were recorded. As such, discharges at Site 5 complied with the discharge criteria specified in WDL177-09. Of note is the consistently high concentration of copper, cobalt, nickel and zinc on samples collected at the GS200 site which is located in the East Finnis River. The GS200 results exceed the copper, cobalt, nickel and zinc concentration measured at the Site 5 monitoring location by an order of magnitude. This suggests that elevated metal concentrations are sourced upstream from the Brown's Site within the catchment.

Licence condition 42.6 -	***Water quality management actions taken in the event of an exceedance.***

In accordance with Condition 39 of WDL177-09, there were no instances of non-compliance with WDL177-09 during March 2021. No water quality management actions were taken.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards

Dr Andrew Tong

Managing Director

Northern Territories Resources Pty Ltd

Our Ref: NTR-ENV-LET-093
10 May 2021

NT Environmental Protection Authority
Environmental Authorisations
c/-Sally-Anne Orchard
Email: waste@nt.gov.au

Dear Sally-Anne,

WDL 177-09 – April 2021 Monthly Discharge Report as per Licence Condition 42

In accordance with WDL 177-09 condition 42, Northern Territories Resources Pty Ltd (NTR) submits the Monthly Discharge report for April 2021.

One discharge event occurred during April 2021;

- commenced 22 March 2021 at 11:35 hrs and continued to 4 April 2021 at 08:20 hrs

Relevant water quality parameters and metal concentrations were recorded during April 2021 (see Tables 1 & 2).

Note that a large salt water crocodile was observed in the East Finnis River on 18 March 2021. Sampling at Site 1 and GS200 was subsequently suspended for safety reasons. NTR advised the NT EPA of this on 19 March 2021 and submitted a non-compliance notification on 30 March 2021. A large salt water crocodile (approx. 3 m long) was caught on 10 April 2021 as shown in Figure 1. NT Government Crocodile Rangers removed the crocodile from site. Upon the advice of NT Government Crocodile Rangers, the traps were reset for a three week period to determine if any further crocodiles were present. A small freshwater crocodile was caught in the trap during the week commencing 19 April 2021, which the Rangers advised was an indicator that salt water crocodiles were unlikely to be present. The traps were re-checked (no crocodiles were caught) and removed on 29 April 2021 by NT Government Crocodile Rangers. Sampling at Site 1 and GS200 will resume in accordance with the requirements of WDL177-09 in May 2021.

Figure 1 Croc captured at Intermediate Pit on 10 April 2021

Please note that samples were collected on 21 and 29 March 2021 in accordance with the monitoring schedule described in Schedule 1 of the WDL, however the results were not available to NTR from the laboratory in time for the March 2021 monthly report. These results are provided in this report.

Licence condition 42.1 - *Water quality data.*

Field water quality measurements were taken from the respective monitoring and compliance sites according to the requirements of Appendix 2 of the WDL once discharge commenced and/or there was flow at the monitoring sites.

The field monitoring results measured during April 2021 are shown in Table 1.

Table 1 Field monitoring results for March 2021

				Field						Inorganics
			During discharge	Temperature (Field)	DO (Field)	Redox Potential (Field)	DO % Saturation (Field)	Electrical Conductivity (field)	pH (Field)	Turbidity (Lab)
				oC	mg/L	mV	%	µS/cm	-	NTU
WDL177-09 Trigger Values								700	6.5-8.5	
Field ID	**Date**	**Time**	**Sample Comments**							
Site2	**5/04/2021**	**9:40:00**	**Height =.27, Colour =clear,**	29.6	3.14	153	40.6	303	7.58	1.8
Site2	**12/04/2021**	**12:17:00**	**Height =.5, Colour =v clear, green**	33.4	2.56	237.7	37	305	7.6	1.2
Site2	**20/04/2021**	**12:52:00**	**Height =.59, Colour =clear**	30.3	3.59	137	52.8	337	7.8	1.4
Site2	**27/04/2021**	**10:33:00**	**Height =1.08, Colour =clear/brown tinge**	31	3.05	150.9	42.6	358	7.59	0.8
Site4	**5/04/2021**	**9:53:00**	**Colour= clear, Depth=.150, Flow= low**	27.4	3.52	180	45	21.7	7.4	2.5
Site4	**12/04/2021**	**12:44:00**	**Colour= v clear, Depth=15cm, Flow= low**	33.1	3.03	191	43.7	21.78	8.31	4.5
Site4	**14/04/2021**	**8:11:00**	**Colour= clear, Depth=, Flow=**	25.8	2.64	203	33.3	27.7	7.33	5.7
Site4	**20/04/2021**	**13:12:00**	**Colour= clear, Depth=.1, Flow= low**	30.2	3.89	175	53.9	26.2	7.42	3.4
Site4	**27/04/2021**	**10:41:00**	**Colour= clear, Depth=.2, Flow=slow**	28.4	3.7	167.2	49.1	29.6	8.22	3.7
Site5	**1/04/2021**	**8:41:00**	**Colour = clear, Depth = 0.45, Flow= low- med**	27.3	2.26		29	173.5	7.37	2.5
Site5	**2/04/2021**	**7:17:00**	**Colour= clear, Depth= .42, Flow= low-med**	27.1	1.94		24.6	181.5	7.53	2.3
Site5	**3/04/2021**	**7:29:00**	**Colour= clear, Depth= .41, Flow= low-medHenry**	27.3	1.99		25.2	182.2	7.35	2.1
Site5	**4/04/2021**	**7:24:00**	**Colour= clear, Depth= .39**	26.7	2.23	105	28.1	198	7.24	3.7
Site5	**5/04/2021**	**9:08:00**	**Colour= clear, Depth= .32**	26.8	1.98	179	24.8	114	7.17	3.2
Site5	**6/04/2021**	**7:39:00**	**Colour= clear, Depth= .32, Flow= med**	26.8	2.33	179	29.4	84	7.11	4.8
Site5	**7/04/2021**	**7:14:00**	**Colour= clear, Depth= .32, Flow= low-med**	26.4	1.96	160	24.2	86	7.09	4.2
Site5	**8/04/2021**	**7:00:00**	**Colour= clear, Depth= .31, Flow= low-medJake**	26.2	1.91	149	24	78	7.08	4
Site5	**9/04/2021**	**7:45:00**	**Colour= clear, Depth= .31, Flow= low-medJake**	27	2	169	26.1	98	7.12	4.4
Site5	**10/04/2021**	**6:00:00**	**Colour= clear, Depth= .31, Flow= low-medJake**	26.6	2.04	144	27.7	102	7.1	4.1
Site5	**11/04/2021**	**9:00:00**	**Colour= clear, Depth= .31, Flow= low**	27.8	2.24	156	28.7	109	7.08	4.8
Site5	**12/04/2021**	**9:40:00**	**Colour= clear, yellow tinge, Depth= .30,**	27.3	2.02	154.5	22.2	93.1	7.21	4.5
Site5	**12/04/2021**	**9:48:00**	**Colour= clear,yellow tinge Depth= .3, Flow= low**	25	1.49	160.9	19.6	86	7.05	3.8
Site5	**13/04/2021**	**8:00:00**	**Colour= clear, Depth= .30,**	28.4	1.83	237.2	28.6	82.5	6.87	4.3
Site5	**14/04/2021**	**7:56:00**	**Colour= clear, yellow tinge, Depth= .29,**	27.2	1.61	225	21.2	78.7	7.01	5.3
Site5	**14/04/2021**	**19:56:00**	**Colour= clear, yellow tinge Depth= .29**	27.2	1.61	225	21.2	78.7	7.01	5.3
Site5	**20/04/2021**	**12:21:00**	**Colour= slight disc Depth= .26, Flow= low**	27.5	2.7	163	36.3	201	7.25	4.6
Site5	**27/04/2021**	**10:20:00**	**Colour= clear, Depth= .26, Flow= med**	26.9	2.57	149.5	30.9	143.7	7.4	5.3
TREAT01	**12/04/2021**	**12:25:00**	**Treating**	32.2	2.66	114.5	37.6	291	9.43	0.9
TREAT01	**20/04/2021**	**13:42:00**	**Treating, Colour= clear**	29	3.6	52	49.5	314	9.12	2.2
TREAT01	**27/04/2021**	**11:15:00**	**Treating, Colour= clear**	28.9	2.06	70.7	36	362	7.42	1.6

The WDL trigger values for field parameters measured at Site 5 were in compliance during the discharge period.

The metals and inorganics concentrations for samples taken in April 2021 are shown in Table 2. Note that the Hardness Modified Trigger Values could not be calculated in accordance with ANZECC (2000) Table 3.4.3 due to no sampling at GS200 due to the crocodile.

Table 2 Laboratory results for April 2021

		Inorganics									Metals																								
		Alkalinity (Bicarbonate as CaCO3)	Alkalinity (Carbonate as CaCO3)	Alkalinity (Hydroxide) as CaCO3	Alkalinity (total) as CaCO3	Chloride	Sodium	Sulphate	Hardness as CaCO3	Total Suspended Solids (Lab)	Aluminium	Aluminium (filtered)	Cadmium	Cadmium (filtered)	Calcium	Chromium (III+VI)	Chromium (III+VI) (filtered)	Cobalt	Cobalt (filtered)	Copper	Copper (filtered)	Iron	Iron (filtered)	Lead	Lead (filtered)	Magnesium	Manganese	Manganese (filtered)	Nickel	Nickel (filtered)	Potassium	Uranium	Uranium (filtered)	Zinc	Zinc (filtered)
		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	mg/L
EQL		20	10	20	20	1	0.5	5	5	1	0.05	0.05	0.0002	0.0002	0.5	0.001	0.001	0.001	0.001	0.001	0.001	0.05	0.05	0.001	0.001	0.5	0.005	0.005	0.001	0.001	0.5	5	5	0.005	0.005
WDL177-09 Trigger Values												0.15		0.0008			0.04		0.013		0.003				0.009			3.6		0.017					0.031
WDL177-09 Triple Trigger Values												0.45		0.003			0.12		0.039		0.009				0.027			10.8		0.051					0.093
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE 2	**21/03/2021**	34	<10	<20	34	15	2.5	78	100	5.1	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	0.002	<0.001	0.012	0.008	<0.05	<0.05	0.004	<0.001	16	0.021	<0.005	0.006	0.006	0.7	<5	<5	0.031	0.029
SITE 4	**21/03/2021**	<20	<10	<20	<20	11	1.3	<5	<5	3.6	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.16	0.08	<0.001	<0.001	0.6	<0.005	0.005	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
SITE 5	**21/03/2021**	35	<10	<20	35	5.8	3.5	51	75	3.3	0.06	<0.05	<0.0002	<0.0002	11	<0.001	<0.001	0.002	<0.001	0.008	0.004	0.34	<0.05	0.002	<0.001	11	0.012	<0.005	0.003	0.003	0.7	<5	<5	0.006	0.006
SITE 5	**21/03/2021**	36	<10	<20	36	23	3.6	55	89	3.7	<0.05	<0.05	<0.0002	<0.0002	16	<0.001	<0.001	0.001	0.001	0.006	0.006	<0.05	<0.05	<0.001	<0.001	12	0.018	0.018	0.003	0.003	0.7	<5	<5	<0.005	<0.005
TREAT 01	**21/03/2021**	25	<10	<20	25	17	1.1	95	130	3.5	0.16	0.16	<0.0002	<0.0002	28	<0.001	<0.001	0.002	0.002	0.013	0.009	<0.05	<0.05	0.014	0.02	13	0.005	<0.005	0.001	0.001	0.6	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	Discharging																																		
SITE2	**22/03/2021**	37	<10	<20	37	3.6	2.9	83	110	1	<0.05	<0.05	<0.0002	<0.0002	15	<0.001	<0.001	<0.001	<0.001	0.007	0.006	<0.05	<0.05	0.002	<0.001	17	0.007	<0.005	0.006	0.006	0.7	<5	<5	0.019	0.019
SITE4	**22/03/2021**	<20	<10	<20	<20	33	1.4	8.8	<5	2	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.18	0.07	<0.001	<0.001	0.6	0.006	0.006	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
SITE5	**22/03/2021**	<20	<10	<20	<20	3.5	2.1	14	19	1.9	<0.05	<0.05	<0.0002	<0.0002	2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.36	0.11	<0.001	<0.001	3.4	0.008	0.008	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE5	**22/03/2021**	<20	<10	<20	<20	1.7	2	12	19	1	0.05	<0.05	<0.0002	<0.0002	1.9	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	0.34	0.11	<0.001	<0.001	3.5	0.008	0.008	<0.001	<0.001	<0.5	<5	<5	<0.005	<0.005
SITE5 (1hr before discharge)	**22/03/2021**	<20	<10	<20	<20	11	2.4	12	19	<1	<0.05	<0.05	<0.0002	<0.0002	1.9	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.39	0.12	<0.001	<0.001	3.5	0.009	0.009	<0.001	<0.001	0.5	<5	<5	<0.005	<0.005
TREAT01	**22/03/2021**	25	<10	<20	25	13	0.9	99	110	4.6	0.23	0.22	<0.0002	<0.0002	24	<0.001	<0.001	0.014	0.004	0.079	0.015	<0.05	<0.05	0.05	0.05	12	0.022	0.009	0.009	0.002	0.6	<5	<5	0.015	0.008
No ANZECC (2000) HMTV calculated due to croc at GS200	Discharging																																		
SITE2	**29/03/2021**	39	<10	<20	39	3.4	2.7	75	110	<1	<0.05	<0.05	<0.0002	<0.0002	16	0.001	<0.001	0.004	<0.001	0.013	0.006	0.06	<0.05	0.002	<0.001	18	0.042	0.006	0.006	0.005	0.8	<5	<5	0.009	0.007
SITE4	**29/03/2021**	<20	<10	<20	<20	1.3	1.5	<5	28	<1	0.07	<0.05	<0.0002	<0.0002	8.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.19	0.07	<0.001	<0.001	1.8	<0.005	<0.005	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5(A)	**29/03/2021**	28	<10	<20	28	12	2.6	43	80	<1	<0.05	<0.05	<0.0002	<0.0002	13	<0.001	<0.001	<0.001	0.001	0.002	<0.001	0.25	<0.05	<0.001	<0.001	11	0.017	0.017	0.002	0.002	0.6	<5	<5	<0.005	<0.005
SITE5(B)	**29/03/2021**	36	<10	<20	36	4.4	2.5	44	72	<1	<0.05	<0.05	<0.0002	<0.0002	10	<0.001	<0.001	0.001	<0.001	0.003	<0.001	0.29	<0.05	<0.001	<0.001	11	0.019	0.016	0.003	0.002	0.7	<5	<5	<0.005	<0.005
TREAT01	**29/03/2021**	55	<10	<20	55	2.7	2.4	80	130	<1	<0.05	<0.05	<0.0002	<0.0002	14	0.001	<0.001	0.001	<0.001	0.002	<0.001	<0.05	<0.05	<0.001	<0.001	24	0.005	<0.005	0.004	0.003	0.8	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE 2	**5/04/2021**	42	<10	<20	42	16	3.3	88	130	2.8	<0.05	<0.05	<0.0002	<0.0002	15	0.006	<0.001	0.003	<0.001	0.012	0.008	0.08	<0.05	0.002	<0.001	12	0.016	<0.005	0.005	0.005	0.8	<5	<5	0.016	0.005
SITE 4	**5/04/2021**	<20	<10	<20	<20	11	1.6	<5	<5	4.3	<0.05	<0.05	<0.0002	<0.0002	<0.5	0.005	<0.001	<0.001	<0.001	<0.001	<0.001	0.22	0.07	<0.001	<0.001	0.6	0.006	<0.005	<0.001	<0.001	0.6	<5	<5	0.008	<0.005
SITE 5	**5/04/2021**	<20	<10	<20	<20	4	2.8	11	35	5.4	<0.05	<0.05	<0.0002	<0.0002	11	0.001	<0.001	0.005	0.005	0.013	0.011	0.51	0.14	<0.001	<0.001	13	0.03	0.03	0.003	0.003	0.7	<5	<5	<0.005	<0.005
SITE 5	**5/04/2021**	21	<10	<20	21	14	2.5	11	19	5.5	<0.05	<0.05	<0.0002	<0.0002	1.8	<0.001	<0.001	0.005	0.005	0.013	0.011	0.55	0.13	<0.001	<0.001	3.6	0.03	0.03	0.003	0.003	0.6	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE 2	**12/04/2021**	45	<10	<20	45	5.3	3.2	92	130	2.4	<0.05	<0.05	<0.0002	<0.0002	17	<0.001	<0.001	<0.001	<0.001	0.008	0.008	<0.05	<0.05	<0.001	<0.001	22	<0.005	<0.005	0.006	0.006	0.6	<5	<5	0.006	0.006
SITE 4	**12/04/2021**	<20	<10	<20	<20	3.3	1.3	<5	<5	2.4	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	0.002	0.002	0.007	0.21	0.07	<0.001	<0.001	<0.5	0.006	0.006	<0.001	0.001	<0.5	<5	<5	<0.005	<0.005
SITE4	**12/04/2021**	<20	<10	<20	<20	2.2	1.4	<5	<5	<1	<0.05	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	0.001	0.001	0.002	0.002	0.23	0.07	<0.001	<0.001	0.7	0.008	0.007	0.001	0.001	0.5	<5	<5	<0.005	<0.005
SITE 5	**12/04/2021**	<20	<10	<20	<20	2.8	2.1	9.1	46	<1	<0.05	<0.05	<0.0002	<0.0002	5.9	<0.001	0.001	0.002	0.003	0.006	0.002	0.76	0.22	0.003	<0.001	7.5	0.07	0.067	0.002	0.002	0.7	<5	<5	<0.005	<0.005
SITE 5	**12/04/2021**	<20	<10	<20	<20	3.1	2.1	9.4	21	4.1	<0.05	<0.05	<0.0002	<0.0002	2.2	0.001	<0.001	0.002	0.003	0.003	0.002	0.95	0.22	0.001	<0.001	3.8	0.053	0.065	0.002	0.002	0.7	<5	<5	<0.005	<0.005
SITE5	**12/04/2021**	21	<10	<20	21	1.6	2.1	9.3	21	1.2	<0.05	<0.05	<0.0002	<0.0002	2.2	<0.001	<0.001	0.002	0.003	0.004	0.002	0.93	0.22	0.002	<0.001	3.8	0.054	0.07	0.001	0.002	0.6	<5	<5	<0.005	<0.005
SITE5	**12/04/2021**	<20	<10	<20	<20	1.6	2	9.6	14	<1	<0.05	<0.05	<0.0002	<0.0002	1.3	<0.001	<0.001	0.001	0.003	0.003	0.002	0.95	0.23	0.001	<0.001	2.7	0.053	0.07	0.001	0.002	0.6	<5	<5	<0.005	<0.005
TREAT01	**12/04/2021**	36	10	<20	47	5	2.4	90	120	2.6	<0.05	<0.05	<0.0002	<0.0002	9.4	<0.001	<0.001	0.003	<0.001	0.004	<0.001	<0.05	<0.05	0.002	<0.001	23	0.012	<0.005	0.005	0.002	0.7	<5	<5	0.007	<0.005
TREAT01	**12/04/2021**	28	22	<20	50	4.9	2.4	91	120	1.5	<0.05	<0.05	<0.0002	<0.0002	10	0.002	<0.001	<0.001	<0.001	0.002	0.001	<0.05	<0.05	<0.001	<0.001	24	<0.005	<0.005	0.003	0.002	0.7	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE4	**14/04/2021**	<20	<10	<20	<20	2.8	2.3	<5	<5	<1	0.1	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.28	0.1	<0.001	<0.001	0.6	0.006	0.006	<0.001	<0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**14/04/2021**	<20	<10	<20	<20	1.5	3.4	12	21	1.8	0.08	<0.05	<0.0002	<0.0002	2.1	<0.001	<0.001	0.002	0.003	0.005	0.005	1.2	0.29	0.002	<0.001	3.8	0.082	0.078	0.001	0.002	1	<5	<5	<0.005	<0.005
SITE5	**14/04/2021**	<20	<10	<20	<20	5.4	3.1	<5	15	3.3	0.09	<0.05	<0.0002	<0.0002	1.3	<0.001	<0.001	0.002	0.003	0.004	0.004	1.1	0.3	0.002	<0.001	2.9	0.079	0.079	0.001	0.002	0.9	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE 2	**20/04/2021**	52	<10	<20	52	3.4	4	100	120	1.2	<0.05	<0.05	<0.0002	<0.0002	12	<0.001	<0.001	<0.001	<0.001	0.012	0.01	<0.05	<0.05	<0.001	<0.001	21	0.005	<0.005	0.006	0.005	0.6	<5	<5	0.009	0.008
SITE4	**20/04/2021**	<20	<10	<20	<20	1.8	2	43	<5	2.8	0.06	0.06	0.0003	0.0003	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.31	0.31	0.002	0.002	<0.5	<0.005	<0.005		<0.001	<0.5	<5	<5	<0.005	<0.005
SITE 5	**20/04/2021**	23	<10	<20	23	1.4	2.6	11	23	2.4	0.1	<0.05	<0.0002	<0.0002	2.6	<0.001	<0.001	0.004	<0.001	0.009	0.004	1.4	0.23	0.004	<0.001	4.1	0.11	0.029	0.002	0.001	0.7	<5	<5	<0.005	<0.005
SITE5	**20/04/2021**	24	<10	<20	24	1.5	2.7	12	25	2.6	0.05	<0.05	<0.0002	<0.0002	2.9	<0.001	<0.001	0.005	<0.001	0.024	0.008	1	0.2	0.003	<0.001	4.4	0.1	0.035	0.003	0.002	0.8	<5	<5	0.005	<0.005
TREAT01	**20/04/2021**	28	24	<20	52	2.9	3	97	110	1.8	<0.05	<0.05	<0.0002	<0.0002	6.6	<0.001	<0.001	0.001	<0.001	0.004	0.002	<0.05	<0.05	<0.001	<0.001	23	0.005	<0.005	0.003	0.002	0.8	<5	<5	<0.005	<0.005
No ANZECC (2000) HMTV calculated due to croc at GS200	No discharge																																		
SITE2	**27/04/2021**	58	<10	<20	58	3	4.5	110	160	2.9	<0.05	<0.05	<0.0002	<0.0002	18	<0.001	<0.001	0.002	<0.001	0.012	0.008	<0.05	<0.05	0.001	<0.001	27	0.015	<0.005	0.005	0.005	0.8	<5	<5	0.008	0.015
SITE4	**27/04/2021**	<20	<10	<20	<20	1.8	2	<5	<5	5.1	0.06	<0.05	<0.0002	<0.0002	<0.5	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.41	0.15	<0.001	<0.001	0.8	0.006	0.007	<0.001	<0.001	0.8	<5	<5	<0.005	0.006
SITE5	**27/04/2021**	29	<10	<20	29	3.8	3.5	28	40	4.5	0.13	<0.05	<0.0002	<0.0002	5.2	<0.001	<0.001	0.007	0.003	0.036	0.004	1.6	0.1	0.022	<0.001	6.6	0.19	0.14	0.004	0.002	4.9	<5	<5	0.007	0.006
SITE5	**27/04/2021**	29	<10	<20	29	2.5	3.6	27	39	11	0.11	<0.05	<0.0002	<0.0002	5.2	<0.001	<0.001	0.006	0.003	0.014	0.004	1.6	0.12	0.009	<0.001	6.3	0.19	0.16	0.003	0.002	4.6	<5	<5	0.022	0.005
TREAT01	**27/04/2021**	22	45	<20	67	5.5	3.4	110	170	5.2	0.19	<0.05	<0.0002	<0.0002	14	<0.001	<0.001	0.014	0.005	0.03	0.004	0.09	<0.05	<0.001	0.002	33	0.027	0.019	0.018	0.007	0.9	<5	<5	0.029	0.012

Notes on sample data

1: Trigger Values only apply to Site 5 during discharge.

2: Discharge from Site 5 occurred between 1 April – 4 April 2021.

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Licence condition 42.2 - *Flow data from DAMOUT1 at the flow meter.*

Flow meter readings at Site 2.

Discharge event between 22 March – 4 April 2021 with discharge volume 186,153 m^3.

Licence condition 42.3 - *Date, time and duration of each discharge event.*

Event 1

Start Date = 22 March 2021

Time start: 1135 hrs

End Date = 4 April 2021

Time End: 08:20

Duration of event: 12 days, 20 hours, 45 mins

Discharge volume: 186,153 m^3

Licence condition 42.4 - Summary of water inventory.

The Site water inventory as follows:

Total water treated April 2021: **81 ML**
Total water discharged April 2021: **186 ML (22 March - 4 April 2021)**
Total water used for dust suppression for April 2021: **236 m^3**
Total rainfall for April 2021: **31 mm**

Pond name	Gauge height (1/4/2021)	Gauge height (28/4/2021)
Sed dam	0.26	1.20
Pit level	56.15	55.44
BSS	0.80	0.59
PAF	0.54	0.28
SP3	1.00	0.39
SRO	0.98	0.47

Discharge events
A measured flow total of 186ML of water was discharged during 22 March to 4 April 2021.

Licence condition 42.5 - A summary of any trigger value exceedances for the month.

Discharge was occurring from Site 5 between 22 March - 4 April 2021. No non-conformances with the Trigger Levels at Site 5 (ie whilst discharging) were recorded. As such, discharges at Site 5 complied with the discharge criteria specified in WDL177-09.

Licence condition 42.6 - Water quality management actions taken in the event of an exceedance.

In accordance with Condition 39 of WDL177-09, there were no instances of non-compliance with WDL177-09 during April 2021. No water quality management actions were taken.

Please contact me on 0438 675 333 or Andrew.Tong@ntresources.com.au if you require any further information.

Kind Regards

Dr Andrew Tong

Managing Director

Northern Territories Resources Pty Ltd