

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	BP America Production Company	Contact	Erin Garifalos
Address	200 Energy Court, Farmington, NM 87401	Telephone No.	(832) 609-7048
Facility Name	RIDDLE D LS 003A	Facility Type	Natural Gas Well
Surface Owner	Federal	Mineral Owner	Federal
		API No.	3004522424

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	22	31N	09W	1,015	South	1,685	East	San Juan
Latitude				36.879236	Longitude		-107.764863	NAD83

NATURE OF RELEASE

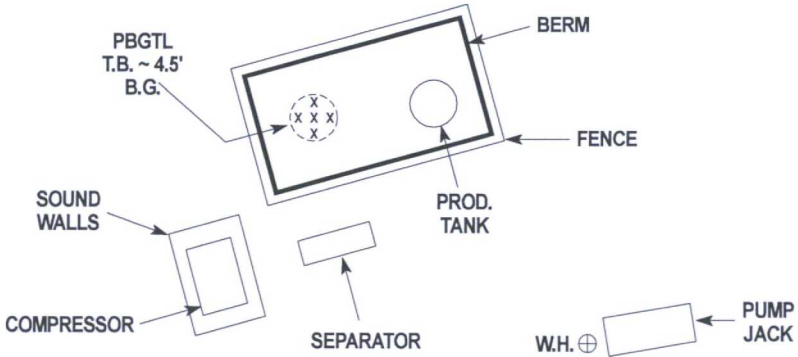
Type of Release:	none	Volume of Release:	unknown	Volume Recovered:	N/A
Source of Release:	below grade tank - 95 bbl	Date and Hour of Occurrence:	n/a	Date and Hour of Discovery:	n/a
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.*					
OIL CONS. DIV DIST. 3 DEC 22 2017					
Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted with detectable TPH concentrations. Per the spill and release guidelines the location has a TPH standard of 1,000 ppm; lab results were below that level requiring no further action. Field reports and laboratory results are attached.					
Describe Area Affected and Cleanup Action Taken.* Following the spill and release guidelines, no further action required. Final laboratory analysis determined no remedial action is required.					

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>erin garifalos</i>	OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos	Approved by Environmental Specialist:	
Title: Field Environmental Coordinator	Approval Date: 12/24/17	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 9, 2017	Phone: (832) 609-7048	

* Attach Additional Sheets If Necessary

NVF1735437434

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004522424 TANK ID (if applicable): A
FIELD REPORT: (circle one): <u>BGT CONFIRMATION</u> / RELEASE INVESTIGATION / OTHER: SITE INFORMATION: SITE NAME: RIDDLE D LS # 3A QUAD/UNIT: O SEC: 22 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM 1/4 - 1/4/FOOTAGE: 1,015'S / 1,685'E SW/SE LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN LEASE #: NM012647 PROD. FORMATION: MV CONTRACTOR: BP - J. GONZALES		PAGE #: 1 of 1 DATE STARTED: 09/11/17 DATE FINISHED: ENVIRONMENTAL SPECIALIST(S): NJV
REFERENCE POINT: 1) 95 BGT (SW/DB) GPS COORD.: 36.879236 X 107.764863 DISTANCE/BEARING FROM W.H.: 74', N54W 2) GPS COORD.: DISTANCE/BEARING FROM W.H.: 3) GPS COORD.: DISTANCE/BEARING FROM W.H.: 4) GPS COORD.: DISTANCE/BEARING FROM W.H.:		WELL HEAD (W.H.) GPS COORD.: 36.87914 X 107.76468 GL ELEV.: 6,274'
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL 1) SAMPLE ID: 5PC - TB @ 4.5' (95) SAMPLE DATE: 09/11/17 SAMPLE TIME: 1145 LAB ANALYSIS: 8015B/8021B/300.0 (CI) OVM READING (ppm) NA 2) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 3) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 4) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 5) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:		
SOIL DESCRIPTION: SOIL TYPE: <u>SAND</u> <u>SILTY SAND</u> SILT / SILTY CLAY / CLAY / GRAVEL <u>OTHER</u> BEDROCK (SANDSTONE) SOIL COLOR: MODERATE BROWN PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): <u>NON COHESIVE</u> SLIGHTLY COHESIVE / COHESIVE <u>HIGHLY COHESIVE</u> DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD CONSISTENCY (NON COHESIVE SOILS): <u>LOOSE</u> <u>FIRM</u> DENSE <u>VERY DENSE</u> HC ODOR DETECTED: YES <u>NO</u> EXPLANATION - MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. 5 ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION -		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION - APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES <u>NO</u> EXPLANATION: EQUIPMENT SET OVER RECLAIMED AREA: <u>YES</u> NO EXPLANATION - 105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION. OTHER: NMOCD OR BLM NOT PRESENT TO WITNESS CONFIRMATION SAMPLING.		
EXCAVATION DIMENSION ESTIMATION: <u>NA</u> ft. X <u>NA</u> ft. X <u>NA</u> ft. EXCAVATION ESTIMATION (Cubic Yards): <u>NA</u> DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 1,000 ppm		
SITE SKETCH BGT Located: off <u>on</u> site PLOT PLAN circle: <u>attached</u> 		OVM CALIB. READ. = <u>NA</u> ppm RF = 1.00 OVM CALIB. GAS = <u>NA</u> ppm TIME: <u>NA</u> am/pm DATE: <u>NA</u>
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.		MISCELL. NOTES WO: REF #: P-843 VID: VHIXONEVB2 PJ #: Permit date(s): 06/14/10 OCD Appr. date(s): 06/09/17 Tank ID: A OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <u>(N)</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH IMAGERY DATE: 10/5/2016. ONSITE: 09/11/17		

Analytical Report

Lab Order 1709518

Date Reported: 9/18/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-TB @ 4.5' (95)

Project: RIDDLE D LS #3A

Collection Date: 9/11/2017 11:45:00 AM

Lab ID: 1709518-001

Matrix: SOIL

Received Date: 9/12/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	9/13/2017 1:12:26 PM	33817
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	36	9.4		mg/Kg	1	9/12/2017 10:35:40 AM	33815
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	9/12/2017 10:35:40 AM	33815
Surr: DNOP	111	70-130		%Rec	1	9/12/2017 10:35:40 AM	33815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Surr: BFB	95.3	54-150		%Rec	1	9/12/2017 12:16:22 PM	33798
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Toluene	ND	0.034		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Ethylbenzene	ND	0.034		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Xylenes, Total	ND	0.069		mg/Kg	1	9/12/2017 12:16:22 PM	33798
Surr: 4-Bromofluorobenzene	102	66.6-132		%Rec	1	9/12/2017 12:16:22 PM	33798

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Chain-of-Custody Record

Client: **BLAGG ENGR. / BP AMERICA**

Mailing Address: **P.O. BOX 87**

BLOOMFIELD, NM 87413

Phone #: **(505) 632-1199**

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush

SAME DAY

Project Name:

RIDDLE D LS # 3A

Project #:

Project Manager:

NELSON VELEZ

Sampler: **NELSON VELEZ**

On Ice ☐ Yes ☐ No

Sample Temperature: **7.0**

As of 9/11/17
Container
Type and #
MeoH Kit

Preservative
Type

HEAL No.

1709518

4 oz. - 1

Cool

201



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + THMs (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)	Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

Date:

Time:

Relinquished by:

Received by:

Date Time

Remarks:

**BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID
& REFERENCE # WHEN APPLICABLE:**

CONTACT: **ERIN GARIFALOS / VANCE HIXON**

VID: **VHIXONEVB2**

Reference # **P - 843**

Date:

Time:

Relinquished by:

Received by:

Date Time

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering

Project: RIDDLE D LS #3A

Sample ID	MB-33817		SampType: mblk		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 33817		RunNo: 45597					
Prep Date:	9/12/2017		Analysis Date: 9/13/2017		SeqNo: 1447722		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-33817		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 33817		RunNo: 45597					
Prep Date:	9/12/2017		Analysis Date: 9/13/2017		SeqNo: 1447723		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering

Project: RIDDLE D LS #3A

Sample ID	LCS-33815		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 33815		RunNo: 45554					
Prep Date:	9/12/2017		Analysis Date: 9/12/2017		SeqNo: 1444503		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	100	73.2	114			
Surr: DNOP	4.8		5.000		96.6	70	130			

Sample ID	MB-33815	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 33815			RunNo: 45554					
Prep Date:	9/12/2017	Analysis Date: 9/12/2017			SeqNo: 1444504		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		105	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering

Project: RIDDLE D LS #3A

Sample ID	MB-33798		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range			
Client ID:	PBS		Batch ID:	33798		RunNo:	45568			
Prep Date:	9/11/2017		Analysis Date:	9/12/2017		SeqNo:	1445343		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.1	54	150			

Sample ID	LCS-33798		SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range			
Client ID:	LCSS		Batch ID:	33798		RunNo:	45568			
Prep Date:	9/11/2017		Analysis Date:	9/12/2017		SeqNo:	1445344		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1100		1000		106	54	150			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709518

18-Sep-17

Client: Blagg Engineering

Project: RIDDLE D LS #3A

Sample ID	MB-33798		SampType: MBLK		TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBS		Batch ID: 33798		RunNo: 45568					
Prep Date:	9/11/2017		Analysis Date: 9/12/2017		SeqNo: 1445377		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	66.6	132			

Sample ID	LCS-33798		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSS		Batch ID: 33798		RunNo: 45568					
Prep Date:	9/11/2017		Analysis Date: 9/12/2017		SeqNo: 1445378		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		108	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1709518

RcptNo: 1

Received By: Anne Thorne 9/12/2017 7:00:00 AM

Anne Thorne

Completed By: Anne Thorne 9/12/2017 7:39:58 AM

Anne Thorne

Reviewed By: Dennis SVAZO *Dennis SVAZO*

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

