

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

Form C-141
Revised August 8, 2011

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

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	Contact: Jeff Peace
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479
Facility Name: Highway 64 produced water release	Facility Type: N/A

Surface Owner: N/A	Mineral Owner: N/A	API No. N/A
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LOCATION OF RELEASE

Pw From 30 045 32123

Unit Letter	Section 20	Township 29N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan – near mile marker 72, Highway 64
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: produced water	Volume of Release: 8 bbl	Volume Recovered: none
Source of Release: SSS water truck	Date and Hour of Occurrence: 4/13/2015; 11:00 AM	Date and Hour of Discovery: 4/13/2015; 11:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	

OIL CONS. DIV DIST. 3

APR 24 2015

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A SSS water truck overturned on Highway 64 between Blanco, NM and Bloomfield, NM. The impact damaged the tank on the truck, releasing produced water on the right-of-way. Two soil samples were taken, with total TPH of 742 ppm and 460 ppm.

Describe Area Affected and Cleanup Action Taken.* Oil gator was applied to the area impacted by the release.

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>Jeff Peace</i>	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Jeff Peace	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 6/23/15	Expiration Date:
E-mail Address: peace.jeffrey@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: April 22, 2015	Phone: 505-326-9479	

* Attach Additional Sheets If Necessary

#NES 1517452574

Analytical Report

Lab Order 1504517

Date Reported: 4/22/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: West Source 5-Pt Comp

Project: SSS Hwy 64 Spill

Collection Date: 4/10/2015 11:45:00 AM

Lab ID: 1504517-001

Matrix: SOIL

Received Date: 4/11/2015 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	320	9.7		mg/Kg	1	4/14/2015 9:40:16 AM	18641
Motor Oil Range Organics (MRO)	510	48		mg/Kg	1	4/14/2015 9:40:16 AM	18641
Surr: DNOP	114	63.5-128		%REC	1	4/14/2015 9:40:16 AM	18641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	12	4.7		mg/Kg	1	4/14/2015 12:31:09 PM	18665
Surr: BFB	104	80-120		%REC	1	4/14/2015 12:31:09 PM	18665
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.047		mg/Kg	1	4/14/2015 12:31:09 PM	18665
Toluene	ND	0.047		mg/Kg	1	4/14/2015 12:31:09 PM	18665
Ethylbenzene	ND	0.047		mg/Kg	1	4/14/2015 12:31:09 PM	18665
Xylenes, Total	0.19	0.095		mg/Kg	1	4/14/2015 12:31:09 PM	18665
Surr: 4-Bromofluorobenzene	108	80-120		%REC	1	4/14/2015 12:31:09 PM	18665
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/16/2015 11:59:24 AM	18724

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
	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
	O RSD is greater than RSDlimit	P Sample pH Not In Range
	R RPD outside accepted recovery limits	RL Reporting Detection Limit
	S Spike Recovery outside accepted recovery limits	

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: East Terminus 5-pt Comp

Project: SSS Hwy 64 Spill

Collection Date: 4/10/2015 11:55:00 AM

Lab ID: 1504517-002

Matrix: SOIL

Received Date: 4/11/2015 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: BCN
Diesel Range Organics (DRO)	190	9.9		mg/Kg	1	4/14/2015 12:19:07 PM	18641
Motor Oil Range Organics (MRO)	270	50		mg/Kg	1	4/14/2015 12:19:07 PM	18641
Surr: DNOP	107	63.5-128		%REC	1	4/14/2015 12:19:07 PM	18641
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/14/2015 12:59:53 PM	18665
Surr: BFB	91.2	80-120		%REC	1	4/14/2015 12:59:53 PM	18665
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.050		mg/Kg	1	4/14/2015 12:59:53 PM	18665
Toluene	ND	0.050		mg/Kg	1	4/14/2015 12:59:53 PM	18665
Ethylbenzene	ND	0.050		mg/Kg	1	4/14/2015 12:59:53 PM	18665
Xylenes, Total	ND	0.099		mg/Kg	1	4/14/2015 12:59:53 PM	18665
Surr: 4-Bromofluorobenzene	103	80-120		%REC	1	4/14/2015 12:59:53 PM	18665
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/16/2015 12:36:36 PM	18724

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
	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
	O	RSD is greater than RSDlimit	P	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	Spike Recovery outside accepted recovery limits		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504517

22-Apr-15

Client: Blagg Engineering

Project: SSS Hwy 64 Spill

Sample ID	MB-18724	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	18724	RunNo:	25587					
Prep Date:	4/16/2015	Analysis Date:	4/16/2015	SeqNo:	758048	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-18724	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	18724	RunNo:	25587					
Prep Date:	4/16/2015	Analysis Date:	4/16/2015	SeqNo:	758049	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504517
22-Apr-15

Client: Blagg Engineering
Project: SSS Hwy 64 Spill

Sample ID MB-18641	SampType: MBLK		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: PBS	Batch ID: 18641		RunNo: 25489							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 754938		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	9.9		10.00		98.8	63.5	128			

Sample ID LCS-18641	SampType: LCS		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 18641		RunNo: 25489							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 754939		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.0	67.8	130			
Surr: DNOP	4.9		5.000		97.6	63.5	128			

Sample ID 1504517-001AMS	SampType: MS		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: West Source 5-Pt C	Batch ID: 18641		RunNo: 25489							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 754941		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	370	9.8	48.83	321.4	97.6	29.2	176			
Surr: DNOP	7.0		4.883		143	63.5	128			S

Sample ID 1504517-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Diesel Range Organics							
Client ID: West Source 5-Pt C	Batch ID: 18641		RunNo: 25489							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 754942		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	380	9.9	49.36	321.4	127	29.2	176	3.96	23	
Surr: DNOP	7.2		4.936		147	63.5	128	0	0	S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504517
22-Apr-15

Client: Blagg Engineering
Project: SSS Hwy 64 Spill

Sample ID MB-18665	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755452				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	870		1000		87.2	80	120			

Sample ID LCS-18665	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755453				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	64	130			
Surr: BFB	960		1000		96.3	80	120			

Sample ID 1504517-001AMS	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: West Source 5-Pt C	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755458				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	37	4.7	23.65	12.33	106	47.9	144			
Surr: BFB	1100		946.1		119	80	120			

Sample ID 1504517-001AMSD	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: West Source 5-Pt C	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755459				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	39	4.7	23.70	12.33	112	47.9	144	3.59	29.9	
Surr: BFB	1100		947.9		112	80	120	0	0	

Sample ID MB-18710	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 18710		RunNo: 25555							
Prep Date: 4/15/2015	Analysis Date: 4/16/2015		SeqNo: 757273				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.2	80	120			

Sample ID LCS-18710	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 18710		RunNo: 25555							
Prep Date: 4/15/2015	Analysis Date: 4/16/2015		SeqNo: 757274				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.8	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1504517

22-Apr-15

Client: Blagg Engineering

Project: SSS Hwy 64 Spill

Sample ID MB-18665	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755514		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	80	120			

Sample ID LCS-18665	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755515		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	111	76.6	128			
Toluene	1.0	0.050	1.000	0	102	75	124			
Ethylbenzene	1.1	0.050	1.000	0	109	79.5	126			
Xylenes, Total	3.3	0.10	3.000	0	110	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID 1504517-002AMS	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: East Terminus 5-pt	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755518		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	0.9921	0	108	69.2	126			
Toluene	1.0	0.050	0.9921	0.01029	102	65.6	128			
Ethylbenzene	1.1	0.050	0.9921	0	112	65.5	138			
Xylenes, Total	3.4	0.099	2.976	0.02443	112	63	139			
Surr: 4-Bromofluorobenzene	1.1		0.9921		113	80	120			

Sample ID 1504517-002AMSD	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: East Terminus 5-pt	Batch ID: 18665		RunNo: 25496							
Prep Date: 4/13/2015	Analysis Date: 4/14/2015		SeqNo: 755519		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	0.9930	0	107	69.2	126	0.983	18.5	
Toluene	1.0	0.050	0.9930	0.01029	102	65.6	128	0.0643	20.6	
Ethylbenzene	1.1	0.050	0.9930	0	112	65.5	138	0.354	20.1	
Xylenes, Total	3.4	0.099	2.979	0.02443	112	63	139	0.0548	21.1	
Surr: 4-Bromofluorobenzene	1.1		0.9930		111	80	120	0	0	

Qualifiers:

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- O RSD is greater than RSDlimit
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- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1504517

22-Apr-15

Client: Blagg Engineering

Project: SSS Hwy 64 Spill

Sample ID MB-18710	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 18710		RunNo: 25555							
Prep Date: 4/15/2015	Analysis Date: 4/16/2015		SeqNo: 757283				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.4	80	120			

Sample ID LCS-18710	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 18710		RunNo: 25555							
Prep Date: 4/15/2015	Analysis Date: 4/16/2015		SeqNo: 757284				Units: %REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1504517**

RcptNo: **1**

Received by/date:

A.F. **04/11/15**

Logged By: **Ashley Gallegos**

4/11/2015 8:10:00 AM

AG

Completed By: **Ashley Gallegos**

4/13/2015 7:15:50 AM

AG

Reviewed By:

my **04/13/15**

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° 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? Yes No
- (Note discrepancies on chain of custody)
- 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? Yes No
- (If no, notify customer for authorization.)

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: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes			

