MOISTURE CONTENT (ONLY) DATA

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/6/89
QA ENTRY NO. 706

Specification 02200 Rev C

MOISTURE CONTENT DETERMINATION

Job: 3050 - Green River	Date: 4-5-89	Test No.: CM-M-001
Location: N. Quadrant of cell e Elev. 4105 (V.P. MATERIAL)		Tested By: Steve Dike

	Micro	Oven
A. Wet soil & container, g	795.7	778.7
B. Dry soil & container, g	753.6	736.9
C. Moisture loss, g (A-B)	42.1	41.8
D. Dry soil, g (B-E)	528.9	562.2
E. Container, g	174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -4.7% of opt. moisture (-3% of opt. to 0% req.) (PASS)	7.3 (PASS)	7.4

One point indicates 12.0% moisture at.
Comments: 119.3 lb/ft.^{3} (See one-point CM-1-001) Scale used: GR-002 Checked By: [illegible]

Job: 3050 - Green River	Date: 4-5-89	Test No.: CM-M-002
Location: W. Quadrant of cell e Elev. 4105 (V.P. MATERIAL)		Tested By: Steve Dike

	Micro
A. Wet soil & container, g	797.8
B. Dry soil & container, g	756.2
C. Moisture loss, g (A-B)	41.6
D. Dry soil, g (B-E)	581.5
E. Container, g	174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -4.8% of opt. moisture (-3% of opt. to 0% req.)	7.2 (PASS)

Comments: Opt. = 12.0% Scale used: GR-002 Checked By: [illegible]

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT = 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
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QA ENTRY NO. 707

(Specification C2200 Rev C)

MOISTURE CONTENT DETERMINATION

Job: 3050 · Green River	Date: 4-5-89	Test No.: CM-M-003
Location: E. Quadrant of cell e (V.P. MATERIAL) Elev. 4105		Tested By: Steve Dike
A. Wet soil & container, g		Micro 797.1
B. Dry soil & container, g		740.3
C. Moisture loss, g (A-B)		56.8
D. Dry soil, g (B-E)		565.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ (-2% of opt. moisture) (-3% of opt. to 0% req.)		10.0 (FAIL)
Comments: Opt. = 12%	Scale used: GR-002	Checked By: [illegible]

Job: 3050 · Green River	Date: 4-5-89	Test No.: CM-M-004
Location: S. Quadrant of cell e (V.P. MATERIAL) Elev. 4105		Tested By: Steve Dike
A. Wet soil & container, g		Micro 783.0
B. Dry soil & container, g		751.8
C. Moisture loss, g (A-B)		31.2
D. Dry soil, g (B-E)		577.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ (-6.6% of opt. moisture) (-3% of opt. to 0% req.)		5.4 (PASS)
Comments: Opt. = 12.0%	Scale used: GR-002	Checked By: [illegible]

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ORIGINAL
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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/6/89
QA ENTRY NO. 7[illegible]

SPECIFICATION C2200 REV C

MOISTURE CONTENT DETERMINATION - 0% TO -3% OF OPTIMUM MOISTURE

Job: 3050 - Green River	Date: 4-5-89	Test No.: CM-M-005
Location: (V.P. MATERIAL) South Quadrant of Cell C Elev 4106		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 796.4
B. Dry soil & container, g		743.1
C. Moisture loss, g (A-B)		53.3
D. Dry soil, g (B-E)		568.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		9.4 FAIL
SCALES: 6R-002 -2.6% OF OPT. MOISTURE Comments: OPTIMUM MOISTURE = 12%		Checked By: Steve Dike

Job: 3050 / GREEN RIVER	Date: 4/5/89	Test No.: CM-M-006 [illegible]
Location: (V.P. MATERIAL) WEST QUADRANT OF CELL C ELEV 4106		Tested By: SDM 4/5/89 [illegible]
A. Wet soil & container, g		MICROWAVE 791.4
B. Dry soil & container, g		754.9
C. Moisture loss, g (A-B)		36.5
D. Dry soil, g (B-E)		580.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.3 PASS
SCALE USED: 6R-002 -5.7% OF OPT. MOISTURE Comments: OPTIMUM MOISTURE = 12%		Checked By: Steve Dike

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sonn 4-7-89
QA ENTRY NO. 747

SPECIFICATION C2200 REV C

MOISTURE CONTENT DETERMINATION
0% TO -3% OF OPTIMUM MOISTURE

Job: 3050 - GREEN RIVER	Date: 4/6/89	Test No.: CM-M-007
Location: NORTH QUADRANT OF CELL @ ELEV 4106 (J.P. MATERIAL)		Tested By: Steve Moore
A. Wet soil & container, g		MICROWAVE 804.8
B. Dry soil & container, g		746.4
C. Moisture loss, g (A-B)		58.4
D. Dry soil, g (B-E)		571.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$	-.6% OF OPT. MOISTURE → (SEE ONE POINT NO. CM-1-002)	10.2 FAIL
Comments: ONE POINT WAS POUNDED AND EQUALS 10.8% FOR OPTIMUM MOISTURE	Scale used: 6R-002	Checked By: Steve Duke

Job: 3050 - GREEN RIVER	Date: 4/6/89	Test No.: CM-M-008
Location: EAST QUADRANT AT ELEVATION 4106 (J.P. MATERIAL)		Tested By: Steve Moore
A. Wet soil & container, g	OVEN 821.3	MICROWAVE 808.6
B. Dry soil & container, g	777.4	763.2
C. Moisture loss, g (A-B)	43.9	45.4
D. Dry soil, g (B-E)	602.7	588.5
E. Container, g	174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$	7.3 ok →	7.7 PASS
Comments: Opt. 10.8%	-3.1% OF OPT. MOISTURE Scale used: 6R-002	Checked By: Steve Duke

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Stan 4/7/89
QA ENTRY NO. 78

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

0% TO -3% OF OPTIMUM MOISTURE

Job: 3050 - Green River	Date: 4-6-89	Test No.: CM-M-005-R1
Location: Retest of S. quadrant @ Elev. 4105 (U.P. MATERIAL) SD 4-6-89		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 759.5
B. Dry soil & container, g		736.8
C. Moisture loss, g (A-B)		22.7
D. Dry soil, g (B-E)		562.1
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.0 (PASS)
Comments: Opt. moisture 12.0% ~~10.6%~~ SD 4-6-89 -8% OF OPT. MOISTURE Scale used: 6R-002		Checked By: Stan Marks

Job: 3050 - Green River	Date: 4-6-89	Test No.: CM-M-003-R1
Location: Retest of E. quadrant @ Elev. 4105 (U.P MATERIAL)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 707.4
B. Dry soil & container, g		674.1
C. Moisture loss, g (A-B)		33.3
D. Dry soil, g (B-E)		499.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.7 (PASS)
Comments: Opt. moisture 12.0% ~~10.6%~~ SD 4-6-89 -5.5% OF OPT MOISTURE Scale used: 6R-002		Checked By: Stan Marks

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A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDW 4/7/89
QA ENTRY NO. 719

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION
0% TO -3% OF OPTIMUM MOISTURE

Job: 3050 - Green River	Date: 4-6-89	Test No.: CM-M-009
Location: South quadrant @ Elev. 4107 (U.P. MATERIAL)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 795.8
B. Dry soil & container, g		750.0
C. Moisture loss, g (A-B)		45.8
D. Dry soil, g (B-E)		575.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		8.0 (FAIL)
Comments: Optimum - 10.8% -2.8% OF OPT. MOISTURE Scale used: GR-002		Checked By: Steve Mills

Job: 3050 - Green River	Date: 4-6-89	Test No.: CM-M-009-R1
Location: Retest of S. quadrant of cell @ Elev. 4107 (U.P. MATERIAL)		Tested By: Steve Dike
A. Wet soil & container, g	OVEN 774.8	Microwave 768.4
B. Dry soil & container, g	740.6	736.5
C. Moisture loss, g (A-B)	34.2	31.9
D. Dry soil, g (B-E)	565.9	561.8
E. Container, g	174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)	6.0 ← ok →	5.7 (PASS)
Comments: Opt. moisture 10.8% -5.1% OF OPT. MOISTURE Scale used: GR-002		Checked By: Steve Mills

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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/7/89
QA ENTRY NO. 720

SPECIFICATION: 02200 REV C / 0% TO -3% OF OPT. MOISTURE

MOISTURE CONTENT DETERMINATION

Windblown Contaminates

Job: 3050-Green River	Date: 4-6-89	Test No.: CM-M-010
Location: South quadrant of cell e Elev. 4108 (WIND BLOWN MATL)		Tested By: Steve Dive
A. Wet soil & container, g		Microwave 745.9
B. Dry soil & container, g		716.1
C. Moisture loss, g (A-B)		29.8
D. Dry soil, g (B-E)		541.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -5.2% OF OPT. MOISTURE (SEE ONE POINT NO CM-1-003)		5.5 (PASS)
CM-4-010 Comments: One point conducted on this sample Opt. moisture 10.7% Scale used: GR-002		Checked By:

Job: 3050-Green River	Date: 4-6-89	Test No.: CM-M-011
Location: West quadrant of cell e Elev. 4107 (WINDBLOWN MATERIAL)		Tested By: Steve Dive
A. Wet soil & container, g		Microwave 766.4
B. Dry soil & container, g		733.7
C. Moisture loss, g (A-B)		32.7
D. Dry soil, g (B-E)		559.0
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.8 (PASS)
Comments: -4.9% OF OPT. MOISTURE Opt. moisture 10.7% Scale used - GR-002		Checked By:

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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Steve 4/7/89
QA ENTRY NO. 721

SPECIFICATION
CE200 Rev C

MOISTURE CONTENT DETERMINATION

0% TO -3% OF OPTIMUM MOISTURE

Job: 3050-Green River	Date: 4-6-89	Test No.: CM-M-012
Location: E. Quadrant of cell @ Elev. 4107 (INTERBLOWN MATERIAL)		Tested By: Steve Dtue
A. Wet soil & container, g		Microwave 738.8
B. Dry soil & container, g		708.3
C. Moisture loss, g (A-B)		30.5
D. Dry soil, g (B-E)		533.6
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.7 PASS
Comments: -5% OF OPT. MOISTURE Opt. moisture 10.7% Scale used: GR-002		Checked By:
Job: 3050-Green River	Date: 4-6-89	Test No.: CM-M-007-R1
Location: Retest of N. Quadrant of cell @ Elev. 4106 (N.E. MATERIAL)		Tested By: Steve Dtue
A. Wet soil & container, g		Microwave 756.2
B. Dry soil & container, g		722.1
C. Moisture loss, g (A-B)		34.1
D. Dry soil, g (B-E)		547.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.2 PASS
Comments: -4.6% OF OPT. MOISTURE Opt. moisture 10.8% 4-6-89 Scale used: GR-002		Checked By:

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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/7/89
QA ENTRY NO. 722

SPECIFICATION 02200 Sec C

MOISTURE CONTENT DETERMINATION

0% TO -3% OF OPTIMUM MOISTURE

Job: 3050 · Green River	Date: 4-6-89	Test No.: CM-M-013
Location: N. Quadrant of cell e (WEND DOWN MAIL) Elev. 4107		Tested By: Steve Dove
A. Wet soil & container, g	Oven 756.6	MICROWAVE 761.9
B. Dry soil & container, g	724.2	731.4
C. Moisture loss, g (A-B)	32.4	30.5
D. Dry soil, g (B-E)	549.5	556.7
E. Container, g	174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)	5.9	5.5 PASS
Comments: -5.2% OF OPT. MOISTURE Opt. moisture 10.7% Scale used: GR-002		Checked By: Steve Marts
Job:	Date:	Test No.:
Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)	N	
D. Dry soil, g (B-E)	A	
E. Container, g		
F. % Moisture ($\frac{C}{D}$ x 100)		
Comments:		Checked By:

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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sign 4/10/89
QA ENTRY NO. 731

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

0% TO -3% BELOW OPT. MOISTURE

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-014
Location: S. Quadrant of cell e Elev. 4108 8 (WINDBLOWN MAT'L) SD 4-7-89		Tested By: Steve Dive
A. Wet soil & container, g		Microwave 775.0
B. Dry soil & container, g		734.4
C. Moisture loss, g (A-B)		40.6
D. Dry soil, g (B-E)		559.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -3.4% OF OPT. MOISTURE		7.3 PASS
-3% OF OPT. MOISTURE REQUIRED. (0% TO 7.7%) Comments: Opt. moisture 10.7% Scale used: GR-002		Checked By:

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-015
Location: W. Quadrant of cell e Elev. 4108 7 (WINDBLOWN MATERIAL) SD 4-7-89		Tested By: Steve Dive
A. Wet soil & container, g		Microwave 736.8
B. Dry soil & container, g		700.1
C. Moisture loss, g (A-B)		36.7
D. Dry soil, g (B-E)		525.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -3.7% OF OPT. MOISTURE		7.0 PASS
-3% OF OPT. MOISTURE REQUIRED. (0% TO 7.7%) Comments: Opt. moisture 10.7% Scale used: GR-~~007~~ 002 SD 4-7-89		Checked By:

Fill elevations were taken in the cell this day. Grade changes are reflected on tests CM-M-014 thru CM-M-016.

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
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QA ENTRY NO. 732

SPECIFICATION 02200 REV. 0% TO -3% OF OPT. MOISTURE

MOISTURE CONTENT DETERMINATION

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-016
Location: (WINDBLOWN MATERIAL) N. Quadrant of cell e Elev. 4108 7 SD 4-7-89		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 742.2
B. Dry soil & container, g		701.4
C. Moisture loss, g (A-B)		40.8
D. Dry soil, g (B-E)		526.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$	-3.2% OF OPT. MOISTURE -3% OF OPT. MOISTURE REQUIRED (0% TO 7.9%) (SEE ONE POINT NO. CM-1-004)	7.7 PASS
Comments: One point conducted indicates opt. moisture of 10.9% Scale used: GR-002		Checked By:

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-017
Location: (WINDBLOWN MATERIAL) E. Quadrant of cell e Elev. 4107		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 753.7
B. Dry soil & container, g		721.4
C. Moisture loss, g (A-B)		32.3
D. Dry soil, g (B-E)		546.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$	-5% OF OPT. MOISTURE	5.9 PASS
-3% OF OPTIMUM MOISTURE REQUIRED (0% TO 7.9%) Comments: Opt. moisture 10.9% Scale used: GR-002		Checked By:

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/10/89
QA ENTRY NO. 733

SPECIFICATION
C2200 REV C

MOISTURE CONTENT DETERMINATION
0% TO -3% OF OPT. MOISTURE

Job: 3050 Green River	Date: 4-7-89	Test No.: CM-M-018
Location: (WIND BLOWN MATERIAL) W. Quadrant of cell e Elev. 4108		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 755.5
B. Dry soil & container, g		726.0
C. Moisture loss, g (A-B)		29.5
D. Dry soil, g (B-E)		551.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -5.5% OF OPT. MOISTURE		5.4 PASS
-3% OF OPT. MOISTURE REQUIRED (0% TO 7.9%) Comments: Opt. moisture 10.9% Scale used: GR-002		Checked By:
Job: 3050 Green River	Date: 4-7-89	Test No.: CM-M-019
Location: (WINDBLOWN MATERIAL) S. Quadrant of cell e Elev. 4109		Tested By: Steve Dike
A. Wet soil & container, g	Oven 745.4	Microwave 745.1
B. Dry soil & container, g	715.4	715.0
C. Moisture loss, g (A-B)	30.0	30.1
D. Dry soil, g (B-E)	540.7	540.3
E. Container, g	174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -5.3% OF OPT. MOISTURE	5.5	5.6 PASS
-3% OF OPT. MOISTURE REQUIRED, (0% TO 7.9%) Comments: OPT. = 10.9% Scale used: GR-002		Checked By:

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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/4/89
QA ENTRY NO. 734

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-020
Location: S. Quadrant of cell e (WINDBLOWN MATERIAL) Elev. 4109		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 755.2
B. Dry soil & container, g		719.7
C. Moisture loss, g (A-B)		35.5
D. Dry soil, g (B-E)		545.0
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -4.4% OF OPT. MOISTURE		6.5 (PASS)
-3% OF OPT. MOISTURE REQUIRED (0% TO 7.9%) Comments: OPT = 10.9% Scale used: GR-002		Checked By: Steve Marts

Job: 3050 - Green River	Date: 4-7-89	Test No.: CM-M-021
Location: W. Quadrant of cell e (WINDBLOWN CONTAMINATED) Elev. 4108		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 743.0
B. Dry soil & container, g		710.0
C. Moisture loss, g (A-B)		33.0
D. Dry soil, g (B-E)		535.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -7% OF OPT. MOISTURE		6.2 (PASS)
One-point indicates optimum moisture Comments: of 13.2% Scale used: GR-002		Checked By: Steve Marts

3% OF OPT. MOISTURE REQUIRED (0% TO 10.2%)
(SEE ONE-POINT NO. CM-1-005)

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sjm 4/11/89
QA ENTRY NO. 736

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION
(CORRELATION DONE ON THIS SAMPLE)

Job: 3050 Green River	Date: 4-10-89	(micro) Test No.: CM-M-022
Location: TAILINGS CELL (WINDBLOWNS) East Quadrant @ Elev. 4108		Tested By: Steve Wilk
A. Wet soil & container, g		721.4
B. Dry soil & container, g		691.1
C. Moisture loss, g (A-B)		30.3
D. Dry soil, g (B-E)		516.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.9
Comments: CM-4-019 Opt. moisture 13.2% (Fass) Fr. 1 -7.3% of opt. Scale # GR-002 Microwave moisture determination (0 to 3% of opt required)		Checked By: Steve
Job: 3050 Green River	Date: 4-10-89	(oven) Test No.: CM-M-022
Location: TAILINGS CELL (WINDBLOWNS) East Quadrant @ Elev. 4108		Tested By: Steve Wilk
A. Wet soil & container, g		704.7
B. Dry soil & container, g		675.8
C. Moisture loss, g (A-B)		28.9
D. Dry soil, g (B-E)		501.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.8
Comments: Scale # GR-002 Oven moisture determination		Checked By: Steve

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Steve Allred
QA ENTRY NO. 737

SPECIFICATION 02200 B&C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-023
Location: TAILING CELL (WINDBLOWNS) North Quadrant @ Elev. 4108		Tested By: Steve Witt
A. Wet soil & container, g		Microwave 723.1
B. Dry soil & container, g		693.0
C. Moisture loss, g (A-B)		30.1
D. Dry soil, g (B-E)		518.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -7.4% of opt. moisture		5.8
CM-4-019 Opt. moisture 13.2 % Scale #GR-002		
Comments: Pass/Fail -7.4% of OPT. (-3.0% Required)		Checked By: Steve Mont

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-024
Location: TAILINGS CELL (WINDBLOWNS) West Quadrant @ Elev. 4109		Tested By: Steve Witt
A. Wet soil & container, g		Microwave 715.2
B. Dry soil & container, g		688.9
C. Moisture loss, g (A-B)		26.3
D. Dry soil, g (B-E)		514.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ -8.1% of opt. moisture		5.1
CM-4-019 Opt. Moisture 13.2% Scale #GR-002		
Comments: Pass/Fail -8.1% of OPT. (-3.0% Required)		Checked By: Steve Mont

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ORIGINAL
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GREEN RIVER, UTAH

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QA ENTRY NO. 755

SPECIFICATION C7200 REV 2

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-025
(WINDBLOWNS) Location: South Quadrant of cell @ Elev 4110		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 711.7
B. Dry soil & container, g		684.9
C. Moisture loss, g (A-B)		26.8
D. Dry soil, g (B-E)		510.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.3
CM-4-019 Opt. moisture 13.2% Comments: (Pass) Fail	Scale # GR-002 -7.9% of OPT. (-3.0% required)	Checked By: Steve Mont
CM-4-020 Opt. moisture 11.9% Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-026
(WINDBLOWNS) Location: East Quadrant of cell @ Elev 4108		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 701.1
B. Dry soil & container, g		669.7
C. Moisture loss, g (A-B)		31.4
D. Dry soil, g (B-E)		495.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.3
Four point proctor (CM-4-020) was performed on the material from which this moisture sample was obtained. OPT. MOISTURE = 11.9% Comments: (Pass) Fail ~~-45.8% of opt~~ -5.6% of opt. (-3% req'd) SW 4-10-89	Scale # GR-002	Checked By: Steve Mont

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GREEN RIVER, UTAH

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QA ENTRY NO. 7789
Sam 4/11/89

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-27
(WINDBLOWNS) Location: South Quadrant of cell @ Elev. 4110		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 733.6
B. Dry soil & container, g		703.9
C. Moisture loss, g (A-B)		29.7
D. Dry soil, g (B-E)		529.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.6
CM-4-020 Opt. moisture 11.9% Scale #GR-002 Comments: Pass/Fail -6.3% of OPT. (-3.0% Required)		Checked By: Steven Mark

Job: 3050 Green River ~~Dura~~ SW 4-10-89 UMTRA	Date: 4-10-89	Test No.: CM-M-28
(WINDBLOWNS) Location: East Quadrant of cell @ Elev. 4109		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 721.3
B. Dry soil & container, g		695.9
C. Moisture loss, g (A-B)		25.4
D. Dry soil, g (B-E)		521.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.9
CM-4-020 Opt. moisture 11.9% Scale #GR-002 Comments: Pass/Fail -7.0% of OPT. (-3.0% Required)		Checked By: Steven Mark

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GREEN RIVER

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QA ENTRY NO 740

SPECIFICATION
02200 REV C

MOISTURE CONTENT DETERMINATION
(THESE TWO SAMPLES ARE A MICROWAVE /OVEN CORRELATION)

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-29
Location: West Quadrant of cell @ Elev. 4109 (WINDBLOWN CONTAMINATES)		Tested By: Steve Wills
A. Wet soil & container, g		Microwave 720.0
B. Dry soil & container, g		697.5
C. Moisture loss, g (A-B)		22.5
D. Dry soil, g (B-E)		522.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.3
CM-4-020 Opt. moisture 11.9% Scale #GR-002 Comments: Pass/Fail -7.6% of OPT. (-3% Required)		Checked By: Steven Monte

Job: 3050 Green River UMTRA	Date: 4-10-89	Test No.: CM-M-029
(WINDBLOWN CONTAMINATES) Location: West Quadrant of cell @ Elev. 4109		Tested By: Steve Wills
A. Wet soil & container, g		Oven 718.8
B. Dry soil & container, g		694.1
C. Moisture loss, g (A-B)		24.7
D. Dry soil, g (B-E)		519.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.8
CM-4-020 Opt. moisture 11.9% Scale #GR-002 Comments: Pass/Fail -7.1% of OPT. (-3% of OPT. REQ)		Checked By: Steven Monte

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GREEN RIVER UTAH

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QA ENTRY NO. 750

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-030
(WINDBLOWN CONTAMINATED MATERIAL) (ONE POINT PROCTOR PERFORMED) Location: West Quadrant of cell @ Elev. 4109		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 735.4
B. Dry soil & container, g		705.5
C. Moisture loss, g (A-B)		29.9
D. Dry soil, g (B-E)		530.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.6
CM-4-010 10.7% Opt. moisture Comments: Pass/Fail -5.1% of OPT.	Scale # GR-002 (-3.0% Required)	Checked By: Steve Dibel

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-031
(WINDBLOWN CONTAMINATED MATERIAL) Location: West Quadrant of cell @ Elev. 4110		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 741.6
B. Dry soil & container, g		716.8
C. Moisture loss, g (A-B)		24.8
D. Dry soil, g (B-E)		542.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.6
CM-4-010 Opt. moisture 10.7% Comments: Pass/Fail -6.1% of OPT.	Scale # GR-002 (-3.0% Required)	Checked By: Steve Dibel

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QA ENTRY NO 751

SPECIFICATION C2700 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-032
(WINDBLOWN CONTAMINATED MATERIAL) Location: South Quadrant of cell @ Elev. 4111		Tested By: Steve Willis
A. Wet soil & container, g		Microwave 726.4
B. Dry soil & container, g		706.7
C. Moisture loss, g (A-B)		19.7
D. Dry soil, g (B-E)		532.0
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.7
CM-4-010 Opt. moisture 10.7% Comments: (Pass)/Fail -7.0% of OPT.	Scale #GR-002 (-3.0% Required)	Checked By: Steve Dike

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-033	
(WINDBLOWN CONTAMINATED MATERIAL) Location: North Quadrant of cell @ Elev. 4108		Tested By: Steve Willis	
A. Wet soil & container, g		Microwave 703.9	Oven 707.2
B. Dry soil & container, g		682.7	681.8
C. Moisture loss, g (A-B)		21.2	25.4
D. Dry soil, g (B-E)		508.0	507.1
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.2	5.0
CM-4-010 Opt. moisture 10.7% Comments: (Pass)/Fail -6.5% of OPT.	Scale # GR-002 (-3.0% of OPT. Required)	Checked By: Steve Dike	

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QA ENTRY NO. 752

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-034
(WINDBLOWN CONTAMINATED MATERIAL) Location: East Quadrant of cell @ Elev. 4109		Tested By: Steve Wilke
A. Wet soil & container, g		Microwave 723.4
B. Dry soil & container, g		692.9
C. Moisture loss, g (A-B)		30.5
D. Dry soil, g (B-E)		518.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.9
CM-4-010 Opt. moisture 10.7% Comments: Pass/Fail -4.8% of OPT.	Scale # GR-002 (-30% of OPT. required)	Checked By: Steve Dale

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-035
(WINDBLOWN CONTAMINATED MATERIAL) Location: East Quadrant of cell @ Elev 4109		Tested By: Steve Wilke
A. Wet soil & container, g		Microwave. 729.1
B. Dry soil & container, g		693.8
C. Moisture loss, g (A-B)		35.3
D. Dry soil, g (B-E)		519.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.8
CM-4-011 Opt. moisture 10.2% Comments: Pass/Fail -3.4% of OPT.	Scale # GR-002 (-3.0% of OPT. Required)	Checked By: Steve Dale

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QA ENTRY NO. 753

02200
REV C
SPECIFICATION

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-036
(WINDBLOWN CONTAMINATED MATERIAL) Location: East Quadrant of cell @ Elev. 4110		Tested By: Steve Wells
A. Wet soil & container, g		Microwave SW 4-11-89 ~~756.4~~ 782.9
B. Dry soil & container, g		756.4
C. Moisture loss, g (A-B)		26.5
D. Dry soil, g (B-E)		581.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.6
CM-4-011 Opt. moisture 10.2% Scale # GR-002 Comments: Pass/Fail -5.6% of OPT. (-3.0% of OPT required)		Checked By: Steve Dale

Job: 3050 Green River UMTRA	Date: 4-11-89	Test No.: CM-M-037	
(WINDBLOWN CONTAMINATED MATERIAL) Location: North Quadrant of cell @ Elev. 4109		Tested By: Steve Wells	
A. Wet soil & container, g		Microwave 722.0	Oven 742.5
B. Dry soil & container, g		693.0	712.2
C. Moisture loss, g (A-B)		29.0	30.3
D. Dry soil, g (B-E)		SW 4-11-89 174.7	537.5
E. Container, g		518.3	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.6	5.6
CM-4-011 Opt. moisture 10.2% Scale #GR-002 Comments: Pass/Fail -4.6% of OPT. (-3.0% of OPT required)		Checked By: Steve Dale	

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ORIGINAL
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GREEN RIVER, UTAH

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QA ENTRY NO. 76-2

SPECIFICATION 07200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-038
(Windblown contaminated)(4 point prator performed on this material: SEE CM-4-021) Location: North Quadrant of cell @ Elev. 4109		Tested By: Steve White
A. Wet soil & container, g		Microwave 772.6
B. Dry soil & container, g		749.3
C. Moisture loss, g (A-B)		23.3
D. Dry soil, g (B-E)		574.6
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.1
CM-4-021 Opt. moisture 7.9% Comments: Pass/Fail -3.8% of OPT.	Scale #GR-002 (-3.0% of OPT. required)	Checked By: Steve Morris

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-039
(Windblown contaminated) Location: East Quadrant of cell @ Elev. 4110		Tested By: Steve White
A. Wet soil & container, g		Microwave 710.9
B. Dry soil & container, g		689.5
C. Moisture loss, g (A-B)		21.4
D. Dry soil, g (B-E)		514.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.2
CM-4-021 Opt. moisture 7.9% Comments: Pass/Fail -3.7% of OPT.	Scale #GR-002 (-3.0% of OPT. required)	Checked By: Steve Morris

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ORIGINAL
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GREEN RIVER UMTRA

QA REVIEWED FOR QUALITY REQUIREMENTS
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QA ENTRY NO. 763

SPECIFICATION 02200 Rev C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-040
ONE POINT PERFORMED (SEE CM-1-008) (windblown contaminated) Location: East Quadrant of cell @ 4111		Tested By: Steve Watts
A. Wet soil & container, g		Microwave 748.3
B. Dry soil & container, g		719.3
C. Moisture loss, g (A-B)		29.0
D. Dry soil, g (B-E)		544.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.3 FAIL
CM-4-021 Opt. moisture 7.9% Scale # GR-002 Comments: Pass/Fail -2.6% of OPT (-3.0% of opt. required)		Checked By:

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-041	
(windblown contaminated) Location: North Quadrant of cell @ 4110		Tested By: Steve Watts	
A. Wet soil & container, g		Microwave 760.8	Oven 753.5
B. Dry soil & container, g		741.0	732.0
C. Moisture loss, g (A-B)		19.8	21.5
D. Dry soil, g (B-E)		566.3	557.3
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.5	3.9
CM-4-021 Opt. moisture 7.9% Scale # GR-002 Comments: Pass/Fail -4.4% of OPT. (-3.0% of opt. required)		Checked By:	

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GREEN RIVER, UTAH

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BY Stan 4/13/89
QA ENTRY NO. 764

SPECIFICATION
02200 Rev C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-042
(Windblown contaminated) Location: West Quadrant of cell @ Elev 4111		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 788.7
B. Dry soil & container, g		756.6
C. Moisture loss, g (A-B)		32.1
D. Dry soil, g (B-E)		581.9
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.5 FAIL
CM-4-021 Opt. moisture 7.9% Comments: Pass/Fail -2.4% of OPT.	Scale # GR-002 (-3.0% of OPT. required)	Checked By: Steve Monte
(Windblown contaminated) Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-043
Location: South Quadrant of cell @ Elev. 4112		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 775.6
B. Dry soil & container, g		743.3
C. Moisture loss, g (A-B)		32.3
D. Dry soil, g (B-E)		568.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.7
CM-4-013 Opt. moisture 10.0% (one point proctor performed) SEE #CM-1-0089 Comments: Pass/Fail -4.3% of OPT.	Scale # GR-002 (-3.0% of OPT required)	Checked By: Steve Monte

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GREEN RIVER, UTAH

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QA ENTRY NO 7645
SDM 4/13/89

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: OU-M-040-R1
(Windblown contaminated) Location: East Quadrant of cell @ 4111		Tested By: Steve Wilde
A. Wet soil & container, g		Microwave 845.4
B. Dry soil & container, g		818.5
C. Moisture loss, g (A-B)		26.9
D. Dry soil, g (B-E)		643.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.2
OU-4-021 Opt. moisture 7.9% Comments: (Pass)/Fail -3.7% of OPT.	Scale # GR-002 (-3.0% of OPT. required)	Checked By: Steve Monte
(Windblown contaminated) Job: ~~Jobs~~ SW 4-12-89 3050 Green River UMTRA	Date: 4-12-89	Test No.: OU-M-042-R1
Location: West Quadrant of cell @ Elev 4111		Tested By: Steve Wilde
A. Wet soil & container, g		Microwave 886.1
B. Dry soil & container, g		857.0
C. Moisture loss, g (A-B)		29.1
D. Dry soil, g (B-E)		682.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.3
OU-4-021 Opt. moisture 7.9% Comments: (Pass)/Fail -3.6% of OPT.	Scale # GR-002 (-3.0% of OPT. required)	Checked By: Steve Monte

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GREEN RIVER, UTAH

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QA ENTRY NO 766

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-044
(Windblown Contaminated) Location: West Quadrant of cell @ 4112		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 749.1
B. Dry soil & container, g		718.9
C. Moisture loss, g (A-B)		30.2
D. Dry soil, g (B-E)		544.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.5
CM-4-013 Opt. moisture 10.0%. Comments: -4.5% of opt. Pass/Fail (-3.0% of opt. required)	Scale # GR-002	Checked By: Steve Marks

Job: 3050 Green River UMTRA	Date: 4-12-89	Test No.: CM-M-045	
(Windblown contaminated) Location: South Quadrant of cell @ Zone 4113		Tested By: Steve Wells	
A. Wet soil & container, g		Microwave 717.3	Oven 742.8
B. Dry soil & container, g		691.4	715.7
C. Moisture loss, g (A-B)		25.9	27.1
D. Dry soil, g (B-E)		516.7	541.0
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.0	5.0
CM-4-013 Opt. moisture 10.0% Comments: Pass/Fail -5.0% of opt. (-3.0% of opt. required)	Scale # GR-002	Checked By: Steve Marks	

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BY Steve 4/14/89
QA ENTRY NO. 768

02200
REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-046
(Windblown contaminated) Location: East Quadrant of cell @ Elev. 4112		Tested By: Steve Witte
A. Wet soil & container, g		Microwave 790.4
B. Dry soil & container, g		759.1
C. Moisture loss, g (A-B)		31.3
D. Dry soil, g (B-E)		584.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.4
CM-4-013 Opt. moisture 10.0% Comments: Pass/Fail -4.6% of OPT.	Scale # GR-002 (-3.0% of OPT. required)	Checked By: Steve Dove

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-047
(Windblown contaminated) Location: North Quadrant of cell @ Elev. 4111		Tested By: Steve Witte
A. Wet soil & container, g		Microwave 719.1
B. Dry soil & container, g		698.0
C. Moisture loss, g (A-B)		21.1
D. Dry soil, g (B-E)		523.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.0
CM-4-013 Opt. moisture 10.0% Comments: Pass/Fail -6.0% of OPT.	Scale # GR-002 (-3.0% of OPT. required)	Checked By: Steve Dove

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QA ENTRY NO. 769

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MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-048
(Windblown contaminated) Location: North Quadrant of cell @ Elev. 4112		Tested By: Steve Willis
A. Wet soil & container, g		Microwave 736.5
B. Dry soil & container, g		711.3
C. Moisture loss, g (A-B)		25.2
D. Dry soil, g (B-E)		536.6
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.7
CM-4-013 Opt. moisture 10.0% Comments: (Pass) / Fail -5.3% of opt.	Scale # GR-002 (-3.0% of opt. required)	Checked By: Steve Dale

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-049
(Windblown contaminated) (Core point # CM-1-010 performed on this material) Location: West Quadrant of cell @ Elev. 4113		Tested By: Steve Willis
A. Wet soil & container, g	Microwave 736.2	Oven
B. Dry soil & container, g	707.5	SAMPLE NOT DRIED
C. Moisture loss, g (A-B)	28.7	
D. Dry soil, g (B-E)	532.8	
E. Container, g	174.7	
F. % Moisture ($\frac{C}{D}$ x 100)	5.4	
CM-4-010 Opt. moisture 10.7% Comments: (Pass) / Fail -5.3% of opt.	Scale # GR-002 (-3.0% of opt. required).	Checked By: Steve Willis

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GREEN RIVER, UTAH

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QA ENTRY NO. 770

02200
REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-050
(Windblown contaminated) Location: ~~North~~ ~~West~~ Quadrant of cell @ 4113		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 775.7
B. Dry soil & container, g		750.2
C. Moisture loss, g (A-B)		25.5
D. Dry soil, g (B-E)		575.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.4
M-4-010 Opt. moisture 10.7 Comments: Pass/Fail -6.3% of opt.	Scale #G2-002 (-3.0% of opt. required)	Checked By: Steve Dike

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-051
(Windblown contaminated) Location: East Quadrant of cell @ Elev. 4113		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 741.0
B. Dry soil & container, g		719.2
C. Moisture loss, g (A-B)		21.8
D. Dry soil, g (B-E)		544.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.0
M-4-010 Opt. moisture 10.7% Comments: Pass/Fail -6.7% of opt.	Scale #G2-002 (-3.0% of opt. required)	Checked By: Steve Dike

ORIGINAL
CONTRACT # 3050
GREEN RIVER

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/14/89
QA ENTRY NO. 771

02200
REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-052
(Windblown contaminated) Location: North Quadrant of cell @ Elev. 4113/4 Sam 4/13/89		Tested By: Steve Wells
A. Wet soil & container, g		Microwave 783.2
B. Dry soil & container, g		751.8
C. Moisture loss, g (A-B)		31.4
D. Dry soil, g (B-E)		577.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.4
CM-4-010 Opt. moisture 10.7% Scale # GR-002 Comments: (Pass) Fail -5.3% of opt (-3.0% of opt. required)		Checked By: Steve Dale

Job: 3050 Green River UMTRA	Date: 4-13-89	Test No.: CM-M-053	
(Windblown contaminated) Location: South Quadrant at Elev 4114		Tested By: Steve Dale	
A. Wet soil & container, g		Microwave 752.5	Oven 767.4
B. Dry soil & container, g		726.5	741.1
C. Moisture loss, g (A-B)		26.0	26.3
D. Dry soil, g (B-E)		174.7	174.7
E. Container, g		551.8	566.4
F. % Moisture $(\frac{C}{D} \times 100)$		4.7	4.6
CM-4-010 Opt. moisture 10.7% Scale # GR-002 Comments: (Pass) Fail -6.0% of opt. (-3.0% of opt. required)		Checked By: [illegible]	

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/15/89
QA ENTRY NO. 791

Spec. : 02200 Rev C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SW-89	Test No.: CM-M-054
(Windblown contaminated) (one point performed on this material) CM-1-010 Location: West Quadrant of cell @ 4/4		Tested By: Steve Willis
A. Wet soil & container, g		Microwave 739.2
B. Dry soil & container, g		711.2
C. Moisture loss, g (A-B)		28.0
D. Dry soil, g (B-E)		536.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.2
CM-4-018 Opt. moisture 10.8% Comments: Pass/Fail -5.6% of opt.	Scale # GR-002 (-3.0% of opt. required)	Checked By: Steven Monte
Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SW-89	Test No.: CM-M-055
(Windblown contaminated) Location: SDM 4/14/89 ~~South~~ EAST Quadrant of cell @ El. 4/4		Tested By: Steve Willis
A. Wet soil & container, g		MICROWAVE 774.8
B. Dry soil & container, g		746.9
C. Moisture loss, g (A-B)		27.9
D. Dry soil, g (B-E)		572.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.9%
CM-4-018. Opt. moisture 10.8% Comments: Pass/Fail -5.9% of opt.	Scale # GR-002 (-3.0% of opt. required)	Checked By: Steven Monte

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ORIGINAL
CONTRACT # 3050
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sdm 4/15/89
QA ENTRY NO. 792

Rec: 02200 Rel c

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SW-89	Test No.: CM-M-056
(Windblown contaminated) Location: South Quadrant of cell @ Elev. 4115		Tested By: Steve Willis
A. Wet soil & container, g		MICROWAVE 767.5
B. Dry soil & container, g		729.8
C. Moisture loss, g (A-B)		37.7
D. Dry soil, g (B-E)		555.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.8
CM-4-018 opt. moisture 10.8% Comments: Pass/Fail -4.0% of opt. (-3.0% of OPT. required)	Scale # GR-002	Checked By: Steve Dike

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SW-89		Test No.: CM-M-057
(Windblown contaminated) Location: East Quadrant of cell @ Elev. 4115			Tested By: Steve Willis
A. Wet soil & container, g		MICROWAVE 738.2	OVEN 715.6
B. Dry soil & container, g		708.7	686.4
C. Moisture loss, g (A-B)		29.5	29.2
D. Dry soil, g (B-E)		534.0	511.7
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.5	5.7
CM-4-018 opt. moisture 10.8% Comments: Pass/Fail -5.3% of OPT. (-3.0% of OPT. required)	Scale # GR-002		Checked By: Steve Dike

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/15/89
QA ENTRY NO. 793

Spec.: 02200
REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14-89	Test No.: CM-M-058
(Windblown contaminated) Location: WEST QUADRANT C. ELEV 4116		Tested By: Steve Mata
A. Wet soil & container, g		MICROWAVE 767.1
B. Dry soil & container, g		730.8
C. Moisture loss, g (A-B)		36.3
D. Dry soil, g (B-E)		556.1
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.5% PASS
CM-4-018 OPT. MOISTURE = 10.8% Scales # GR-002 Comments: -4.3% OF OPT. MOISTURE (-3.0% of opt. required)		Checked By: Steve Dike
Job: 3050 Green River UMTRA	Date: 4-~~12~~ 14-89	Test No.: CM-M-059
(Windblown contaminated) ONE-PT. PROCTOR # CM-1-011 CONDUCTED Location: SOUTH QUADRANT C. ELEV 4116		Tested By: Steve Mata
A. Wet soil & container, g		MICROWAVE 777.6
B. Dry soil & container, g		740.0
C. Moisture loss, g (A-B)		37.6
D. Dry soil, g (B-E)		565.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.7% PASS
CM-4-020 OPT. MOISTURE = 11.9% Scale # GR-002 Comments: -5.2% OF OPT. MOISTURE (-3.0% of opt. required)		Checked By: Steve Dike

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QA ENTRY NO. 294

Spec. 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SM-89	Test No.: CM-M-060
(Windblown contaminated) Location: EAST QUADRANT AT ELEV 4116		Tested By: Steve Monte
A. Wet soil & container, g		MICROWAVE 748.9
B. Dry soil & container, g		713.0
C. Moisture loss, g (A-B)		35.9
D. Dry soil, g (B-E)		538.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.7% PASS
CM-4-020 OPT. MOISTURE = 11.9% Scale # GR-002 Comments: -5.2% OF OPT. MOISTURE (-3.0% of OPT. required)		Checked By: Steve Dike

Job: 3050 Green River UMTRA	Date: 4-~~13~~ 14 SM-89	Test No.: CM-M-061	
(Windblown contaminated) Location: W. & N. Quadrant of cell @ Elev. 411~~4~~5 SD 4-89		Tested By: Steve Monte	
~~CM-4-020~~ SDM 4/14/89 A. Wet soil & container, g		Micro 761.2	Oven 757.6
B. Dry soil & container, g		728.9	725.0
C. Moisture loss, g (A-B)		32.3	32.6
D. Dry soil, g (B-E)		554.2	550.3
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)	PASS	5.8	5.9
CM-4-020 OPT. MOISTURE = 11.9% Scale # GR-002 Comments: -6.1% OF OPT. MOISTURE (-3.0% of OPT. required)		Checked By: Steve Dike	

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/15/89
QA ENTRY NO. 795

SPECIFICATION 02200 REV C

MOISTURE CONTENT DETERMINATION

Job: 3050 - GREEN RIVER	Date: 4/14/89	Test No.: CM-M-062
Location: (WIND BLOWN CONTAMINATED) NORTH QUADRANT AT ELEV 4116		Tested By: [illegible]
A. Wet soil & container, g		Microwave 771.7
B. Dry soil & container, g		737.2
C. Moisture loss, g (A-B)		34.5
D. Dry soil, g (B-E)		562.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.1% PASS
Comments: CM-4-020 OPT. MOISTURE = 11.9% SCALE-612-002 -5.8% OF OPT. MOISTURE (-3.0% OF OPT. REQUIRED)		Checked By: Steve Duke
Job:	Date:	Test No.:
Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)		
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		
Comments:		Checked By:

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/18/89
QA ENTRY NO. 800

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M-063	
Location: SOUTH Quandrant of Cell at Elevation 4117 (WINDROWS)		Tested By: Steve Mott	
		MICRO	OVEN
A. Wet soil & container, g		774.6	777.7
B. Dry soil & container, g		743.0	746.1
C. Moisture loss, g (A-B)		31.6	31.6
D. Dry soil, g (B-E)		568.3	571.4
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.6%	5.5% Pass/Fail
Optimum Moisture = 11.9 / -6.3 % of optimum moisture Comments:		Checked By: Steve Dale	

Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M-064
Location: WEST Quandrant of Cell at Elevation 4117 (WINDROWS)		Tested By: Steve Mott
		Microwave
A. Wet soil & container, g		756.5
B. Dry soil & container, g		722.2
C. Moisture loss, g (A-B)		34.3
D. Dry soil, g (B-E)		547.7
E. Container, g		174.7 ~~6.3~~ SDM 4/17/89
F. % Moisture $(\frac{C}{D} \times 100)$		6.3% Pass/Fail
* Optimum Moisture = 10.8 / -4.5 % of optimum moisture Comments:		Checked By: Steve Dale

SCALES USED 68-002

* One-point or four-point conducted (No. CM-1-013).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/18/89
QA ENTRY NO. 801

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M-065
Location: EAST Quandrant of Cell at Elevation 4117 (WINDROWS)		Tested By: Steven Morris
A. Wet soil & container, g		Microwave 760.7
B. Dry soil & container, g		730.0
C. Moisture loss, g (A-B)		30.7
D. Dry soil, g (B-E)		555.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.5% Pass/Fail
Optimum Moisture = 10.8 / -5.3 % of optimum moisture Comments:		Checked By: Steve Dale
Job: 3050/Green River	Date:	Test No.: CM-M-066
Location: NORTH Quandrant of Cell at Elevation 4117 (WINDROWS)		Tested By: Steven Morris
A. Wet soil & container, g		Microwave 782.7
B. Dry soil & container, g		754.6
C. Moisture loss, g (A-B)		28.1
D. Dry soil, g (B-E)		579.9
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.8% Pass/Fail
Optimum Moisture = 10.8 / -6.0 % of optimum moisture Comments:		Checked By: Steve Dale

SCALES USED GB-002

~~N/A~~ One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS BY Sum 4/18/89 QA ENTRY NO. 802

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M- 067
Location: South Quandrant of Cell at Elevation 4118 (WIND BLOWN)		Tested By: Steve Mark
A. Wet soil & container, g		Microwave 710.9
B. Dry soil & container, g		690.3
C. Moisture loss, g (A-B)		20.6
D. Dry soil, g (B-E)		515.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.0% Pass/Fail
Optimum Moisture = 10.8 / -6.8 % of optimum moisture Comments:		Checked By: Steve Dike

Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M-068
Location: WEST Quandrant of Cell at Elevation 4118 (WIND BLOWN)		Tested By: Steve Mark
A. Wet soil & container, g		Microwave 728.6
B. Dry soil & container, g		701.3
C. Moisture loss, g (A-B)		27.3
D. Dry soil, g (B-E)		526.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.2% Pass/Fail
Optimum Moisture = 10.8 / -5.6 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED 68-002

N/A One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/19/89
QA ENTRY NO. 803

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/17/89	Test No.: CM-M- 069
Location: EAST Quandrant of Cell at Elevation 4118 (INFIELD LINES)		Tested By: Steve Marks
A. Wet soil & container, g		Microwave 799.4
B. Dry soil & container, g		763.8
C. Moisture loss, g (A-B)		35.6
D. Dry soil, g (B-E)		589.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.0% Pass/Fail
Optimum Moisture = 10.8 / -4.8 % of optimum moisture Comments:		Checked By: Steve Dwe
Job: 3050/Green River	Date:	Test No.: CM-M-
Location: _____ Quandrant of Cell at Elevation _____		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)	N A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No.).

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ORIGINAL
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/18/89	Test No.: CM-M- 70
Location: NORTH Quandrant of Cell at Elevation 4118 (WINDROWS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 774.6
B. Dry soil & container, g		732.1
C. Moisture loss, g (A-B)		42.5
D. Dry soil, g (B-E)		557.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$ (ONE POINT CM-1-24)		7.6% Pass/Fail
Optimum Moisture = 10.6 / -3.0 % of optimum moisture Comments: THE ONE POINT CONDUCTED MATCHED A FOUR POINT CONDUCTED LATE YESTERDAY (CM-4-022)		Checked By: Steve Dike
Job: 3050/Green River	Date:	Test No.: CM-M- 71
Location: NORTH Quandrant of Cell at Elevation 4118 (WINDROWS)		Tested By: [illegible]
A. Wet soil & container, g		Microwave 775.6
B. Dry soil & container, g		741.5
C. Moisture loss, g (A-B)		34.1
D. Dry soil, g (B-E)		566.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.0% Pass/Fail
Optimum Moisture = 10.6 / -4.6 % of optimum moisture Comments: CM-4-022		Checked By: Steve Dike

SCALES USED GE-002

* One-point or four-point conducted (No. CM-4-022).

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CONTRACT # 3050
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/19/89
QA ENTRY NO. 818

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M- 72
Location: WEST Quandrant of Cell at Elevation 4119 (WINDROWS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 787.6
B. Dry soil & container, g		759.5
C. Moisture loss, g (A-B)		28.1
D. Dry soil, g (B-E)		584.7
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.8 Pass/Fail
Optimum Moisture = 10.6 / -5.8 % of optimum moisture Comments: CM-4-022		Checked By: [illegible]
Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M- 73
Location: EAST Quandrant of Cell at Elevation 4119 (WINDROWS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 723.4
B. Dry soil & container, g		700.9
C. Moisture loss, g (A-B)		22.5
D. Dry soil, g (B-E)		526.1
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.3 Pass/Fail
Optimum Moisture = 10.6 / -6.3 % of optimum moisture Comments: CM-4-022		Checked By: [illegible]

SCALES USED 6R-002

~~N/A~~ One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/19/89
QA ENTRY NO. 819

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M-074
Location: NORTH Quandrant of Cell at Elevation 4119 (WENDELGUNS)		Tested By: Steve Dibe
A. Wet soil & container, g		Microwave 772.5
B. Dry soil & container, g		733.5
C. Moisture loss, g (A-B)		39.0
D. Dry soil, g (B-E)		558.7
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$ -3.6% SDM 4/18/89		7.0% SDM ~~6.9~~ Pass/Fail
Optimum Moisture = 10.6 / ~~-3.7~~ % of optimum moisture Comments: CM-4-022		Checked By:
Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M-075
Location: SOUTH Quandrant of Cell at Elevation 4119 (WENDELGUNS)		Tested By: Steve Dibe
A. Wet soil & container, g		Microwave 779.9
B. Dry soil & container, g		746.9
C. Moisture loss, g (A-B)		33.0
D. Dry soil, g (B-E)		572.1
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.8% Pass/Fail
Optimum Moisture = 10.6 / -4.8 % of optimum moisture Comments: CM-4-022		Checked By:

SCALES USED BR-002

* One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/19/89
QA ENTRY NO. 820

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M-76
EAST Quandrant of Cell at Elevation 4120 Location: (INFIELD BOUNDS)		Tested By: Steve Dive
A. Wet soil & container, g		Microwave 774.4
B. Dry soil & container, g		741.1
C. Moisture loss, g (A-B)		33.3
D. Dry soil, g (B-E)		566.3
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.9 Pass/Fail
Optimum Moisture = 10.6 / -4.7 % of optimum moisture Comments: CM-4-022		Checked By: Steve Mark

Job: 3050/Green River	Date: 4-18-89	Test No.: CM-M-77	
NORTH Quandrant of Cell at Elevation 4120 Location: (INFIELD BOUNDS)		Tested By: Steve Dive	
A. Wet soil & container, g		MICROWAVE 722.1	OVEN 726.8
B. Dry soil & container, g		697.4	702.4
C. Moisture loss, g (A-B)		24.7	24.4
D. Dry soil, g (B-E)		522.6	527.6
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100) (ONE-POINT No. CM-1-0144)		4.7	4.6 Pass/Fail
Optimum Moisture = 12.3 / -7.6 % of optimum moisture Comments: CM-4-023		Checked By: Steve Mark	

SCALES USED CR-002

* One-point or four-point conducted (No. CM-4-023).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY Spm 4/20/89
QA ENTRY NO. 833

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-078
Location: SOUTH Quandrant of Cell at Elevation 4120 (INFEED BOUNDS)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 792.1
B. Dry soil & container, g		758.3
C. Moisture loss, g (A-B)		33.8
D. Dry soil, g (B-E)		583.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.8 Pass/Fail
Optimum Moisture = 12.3 / -6.5 % of optimum moisture Comments:		Checked By: Steven Martz
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-079
Location: WEST Quandrant of Cell at Elevation 4120 (INFEED BOUNDS)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 721.6
B. Dry soil & container, g		690.5
C. Moisture loss, g (A-B)		31.1
D. Dry soil, g (B-E)		515.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.0 Pass/Fail
Optimum Moisture = 12.3 / -6.3 % of optimum moisture Comments:		Checked By: Steven Martz

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/20/89
QA ENTRY NO. 934

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-080
Location: EAST Quandrant of Cell at Elevation 4121 (WINDBLOWNS)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 713.7
B. Dry soil & container, g		678.2
C. Moisture loss, g (A-B)		35.5
D. Dry soil, g (B-E)		503.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.0 SD 4-19-89 Pass Fail
Optimum Moisture = 12.3 / -5.3 % of optimum moisture Comments:		Checked By: Steve Mark
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-081
Location: North Quandrant of Cell at Elevation 4121 (WINDBLOWNS)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 778.8
B. Dry soil & container, g		741.9
C. Moisture loss, g (A-B)		36.9
D. Dry soil, g (B-E)		567.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.5 Pass Fail
Optimum Moisture = 12.3 / -5.8 % of optimum moisture Comments:		Checked By: Steve Mark

SCALES USED GR-EC2

* One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY Stan 4/20/89
QA ENTRY NO. 935

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-082
Location: West Quandrant of Cell at Elevation 4121 (WINDBLOWNS)		Tested By: Steve Monte
A. Wet soil & container, g		MICROWAVE 720.7
B. Dry soil & container, g		738.3
C. Moisture loss, g (A-B)		32.4
D. Dry soil, g (B-E)		563.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.7 Pass/Fail
Optimum Moisture = 10.6 / -4.9 % of optimum moisture Comments: Stan 4/19/89 ~~FOUR~~ ONE POINT CONDUCTED (CM-1-015)		Checked By: Steve Monte Steve Dike 4-26-89
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M-083
Location: South Quandrant of Cell at Elevation 4121 (WINDBLOWNS)		Tested By: Steve Monte
A. Wet soil & container, g		MICROWAVE 764.8
B. Dry soil & container, g		727.8
C. Moisture loss, g (A-B)		37.0
D. Dry soil, g (B-E)		553.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.7 Pass/Fail
Optimum Moisture = 10.6 / -3.9 % of optimum moisture Comments:		Checked By: Steve Monte Steve Dike 4-26-89

SCALES USED GB-002

* One-point or four-point conducted (No. CM-4-022).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SCM 4/20/89
QA ENTRY NO. 836

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-19-89	Test No.: CM-M- 084	
Location: East Quandrant of Cell at Elevation 4121 (ALTERNATE BLOCKING)		Tested By:	
		nuclear	oven
A. Wet soil & container, g		743.6	754.7
B. Dry soil & container, g		715.1	728.8
C. Moisture loss, g (A-B)		28.5	25.9
D. Dry soil, g (B-E)		540.4	554.1
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.3	4.7 Pass/Fail
Optimum Moisture = 10.6 / -5.3 % of optimum moisture Comments:		Checked By: Steve Dike 4-20-89	

Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g			
C. Moisture loss, g (A-B)	N/A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No.).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/21/89
QA ENTRY NO 845

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-085
Location: SOUTH Quandrant of Cell at Elevation 4122 (WITH BLOWING)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 736.8
B. Dry soil & container, g		702.6
C. Moisture loss, g (A-B)		34.2
D. Dry soil, g (B-E)		527.9
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.5% Pass/Fail
Optimum Moisture = 10.6 / -4.1 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-086
Location: WEST Quandrant of Cell at Elevation 4122 (WITH BLOWING)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 756.9
B. Dry soil & container, g		724.0
C. Moisture loss, g (A-B)		32.9
D. Dry soil, g (B-E)		549.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.0% Pass/Fail
Optimum Moisture = 10.6 / -4.6 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89

SCALES USED 68-002

* One-point or four-point conducted (No. NA).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/21/89
QA ENTRY NO. 349

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-087
EAST Quandrant of Cell at Elevation 4122 Location: (WINDROWS)		Tested By: [illegible]
A. Wet soil & container, g		MECFONAVE 713.8
B. Dry soil & container, g		680.1
C. Moisture loss, g (A-B)		33.7
D. Dry soil, g (B-E)		505.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.7% Pass/Fail
Optimum Moisture = 10.6 / -3.9 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-088
NORTH Quandrant of Cell at Elevation 4122 Location: (WINDROWS)		Tested By: [illegible]
A. Wet soil & container, g		MECFONAVE 733.5
B. Dry soil & container, g		700.2
C. Moisture loss, g (A-B)		33.3
D. Dry soil, g (B-E)		525.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.3% Pass/Fail
*Optimum Moisture = 10.7 / -4.4 % of optimum moisture Comments: 4-POINT CM-4-010		Checked By: [illegible] Steve Dike 4-26-89

SCALES USED 68-002

* One-point or four-point conducted (No. CM-1-16).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/21/89
QA ENTRY NO. 950

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-089
Location: WEST Quandrant of Cell at Elevation 4123 (MIND BLOWN)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 718.0
B. Dry soil & container, g		685.4
C. Moisture loss, g (A-B)		32.6
D. Dry soil, g (B-E)		510.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.4 Pass/Fail
Optimum Moisture = 10.7 / -4.3 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89

Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-090
Location: SOUTH Quandrant of Cell at Elevation 4123 (MIND BLOWN)		Tested By: [illegible]
A. Wet soil & container, g	MICRO 761.4	OVEN 717.6
B. Dry soil & container, g	727.8	686.3
C. Moisture loss, g (A-B)	33.6	31.6
D. Dry soil, g (B-E)	553.1	511.6
E. Container, g	174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$	6.1%	6.1% Pass/Fail
Optimum Moisture = 10.7 / -4.6 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89

SCALES USED CR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/21/89
QA ENTRY NO. 851

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-091
EAST Quandrant of Cell at Elevation 4123 Location: (MENDBOWNS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 765.8
B. Dry soil & container, g		733.7
C. Moisture loss, g (A-B)		32.0
D. Dry soil, g (B-E)		559.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.7% Pass/Fail
Optimum Moisture = 10.7 / -5.0 % of optimum moisture Comments:		Checked By: [illegible] Steve Dilg 4-26-89
Job: 3050/Green River	Date: 4-20-89	Test No.: CM-M-092
NORTH Quandrant of Cell at Elevation 4123 Location: (MENDBOWNS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 772.2
B. Dry soil & container, g		739.0
C. Moisture loss, g (A-B)		33.2
D. Dry soil, g (B-E)		564.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.9 Pass/Fail
Optimum Moisture = 10.7 / -4.8 % of optimum moisture Comments:		Checked By: [illegible] Steve Dilg 4-26-89

SCALES USED GR-001

* One-point or four-point conducted (No. N/A).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/20/89
QA ENTRY NO. 555

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/20/89	Test No.: CM-M-93
Location: South Quandrant of Cell at Elevation 4124 (Windrows)		Tested By: Steve / Mark
A. Wet soil & container, g		MICROWAVE 737.8
B. Dry soil & container, g		705.1
C. Moisture loss, g (A-B)		32.7
D. Dry soil, g (B-E)		530.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.2% Pass/Fail
Optimum Moisture = 10.7 / -4.5 % of optimum moisture Comments:		Checked By: Steve / Mark Dike 4-26-89
Job: 3050/Green River	Date:	Test No.: CM-M-94
Location: WEST Quandrant of Cell at Elevation 4124 (Windrows)		Tested By: Steve / Mark
A. Wet soil & container, g		MICROWAVE 739.8
B. Dry soil & container, g		702.9
C. Moisture loss, g (A-B)		36.9
D. Dry soil, g (B-E)		528.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.0% Pass/Fail
Optimum Moisture = 10.7 / -3.7 % of optimum moisture Comments:		Checked By: Steve / Mark Dike 4-26-89

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/21/89
QA ENTRY NO. 866

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-21-89	Test No.: CM-M-095	
Location: NORTH Quandrant of Cell at Elevation 4124 (WINDBLOWNS)		Tested By:	
A. Wet soil & container, g		MICRO 721.7	OVEN 739.1
B. Dry soil & container, g		693.1	712.7
C. Moisture loss, g (A-B)		28.6	26.4
D. Dry soil, g (B-E)		518.3	537.9
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.5 OK→ 4.9 Pass/Fail	
Optimum Moisture = *10.8 / -5.3 % of optimum moisture Comments:		Checked By: Steve Dike 4-26-89	

Job: 3050/Green River	Date: 4-21-89	Test No.: CM-M-096
Location: EAST Quandrant of Cell at Elevation 4124 (WINDBLOWNS)		Tested By:
A. Wet soil & container, g		MICROWAVE 772.6
B. Dry soil & container, g		734.2
C. Moisture loss, g (A-B)		38.4
D. Dry soil, g (B-E)		559.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.9 Pass/Fail
Optimum Moisture = 10.8 / -3.9 % of optimum moisture Comments:		Checked By: Steve Dike 4-26-89

SCALES USED GR-001

* One-point or four-point conducted (No. CM-1-017.

CM-1-017

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/21/89
QA ENTRY NO. 867

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-21-89	Test No.: CM-M-097
Location: WEST Quandrant of Cell at Elevation 4125 (LIENDIBLOWS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 750.2
B. Dry soil & container, g		723.3
C. Moisture loss, g (A-B)		26.9
D. Dry soil, g (B-E)		548.6
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.9 Pass/Fail
Optimum Moisture = 10.8 / -5.9 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89
Job: 3050/Green River	Date: 4-21-89	Test No.: CM-M-098
Location: South Quandrant of Cell at Elevation 4125 (LIENDIBLOWS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 738.9
B. Dry soil & container, g		760.0
C. Moisture loss, g (A-B)		28.9
D. Dry soil, g (B-E)		585.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.9 Pass/Fail
Optimum Moisture = 10.8 / -5.9 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89

SCALES USED 65001

* One-point or four-point conducted (No. N/A).

ORIGINAL

MK-FERGUSON COMPANY CONTRACT # 3050
A MORRISON KNUDSEN COMPANY
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/21/89
QA ENTRY NO. 968

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4/21/89	Test No.: CM-M-099
Location: South Quandrant of Cell at Elevation 4126 (WINDBLOWNS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 755.9
B. Dry soil & container, g		723.1
C. Moisture loss, g (A-B)		32.8
D. Dry soil, g (B-E)		548.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.0 Pass/Fail
Optimum Moisture = 10.8 / -4.8 % of optimum moisture Comments:		Checked By: [illegible] Steve Dine 4-26-89

Job: 3050/Green River	Date: 4/21/89	Test No.: CM-M-100
Location: WEST Quandrant of Cell at Elevation 4126 (WINDBLOWNS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 767.5
B. Dry soil & container, g		737.4
C. Moisture loss, g (A-B)		30.1
D. Dry soil, g (B-E)		562.6
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.4% Pass/Fail
Optimum Moisture = 10.8 / -5.4 % of optimum moisture Comments:		Checked By: [illegible] Steve Dine 4-26-89

SCALES USED 68-002

* One-point or four-point conducted (No. NA).

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A MORRISON KNUDSEN COMPANY GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Som 4/21/89
QA ENTRY NO. 569

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River Som 4/21/89	Date: 4-21-89 Som 4/21/89	Test No.: CM-M-101
Location: ~~WEST~~ ~~EAST~~ Quandrant of Cell at Elevation ~~4125~~ 4125 (INTERBOUNS)		Tested By:
A. Wet soil & container, g		OVEN 749.8
B. Dry soil & container, g		717.9
C. Moisture loss, g (A-B)		31.9
D. Dry soil, g (B-E)		543.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.9 Pass/Fail
Optimum Moisture = 10.8 / -4.9 % of optimum moisture Comments:		Checked By: Steve Dike 4-26-89
Job: 3050/Green River	Date: 4-21-89	Test No.: CM-M-102
Location: NORTH Quandrant of Cell at Elevation 4125 (INTERBOUNS)		Tested By:
A. Wet soil & container, g		OVEN 783.5
B. Dry soil & container, g		752.4
C. Moisture loss, g (A-B)		31.1
D. Dry soil, g (B-E)		577.6
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.4 Pass/Fail
Optimum Moisture = 10.9 / -5.5 % of optimum moisture Comments: CM-1-018 - (1-POINT)		Checked By: Steve Dike 4-26-89

SCALES USED GS-002

* One-point or four-point conducted (No. CM-4008).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Steve 4/25/89
QA ENTRY NO. 880

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/24/89	Test No.: CM-M- 103
Location: EAST Quandrant of Cell at Elevation 4126 (INTERCONNECTS)		Tested By: Steve Mark
A. Wet soil & container, g		MICROWAVE 725.2
B. Dry soil & container, g		698.2
C. Moisture loss, g (A-B)		27.0
D. Dry soil, g (B-E)		523.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.2% Pass/Fail
timum Moisture = 10.9 / -5.7 % of optimum moisture mments:		Checked By: Steve Mark Dave 4-26-89

Job: 3050/Green River	Date: 4/24/89	Test No.: CM-M- 104
Location: NORTH Quandrant of Cell at Elevation 4126 (INTERCONNECTS)		Tested By: Steve Mark
A. Wet soil & container, g		MICROWAVE 735.4
B. Dry soil & container, g		697.5
C. Moisture loss, g (A-B)		37.9
D. Dry soil, g (B-E)		522.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.2% Pass/Fail
timum Moisture = 10.9 / -3.7 % of optimum moisture mments:		Checked By: Steve Mark Dave 4-26-89

SCALES USED 669-001 / 669-002

* One-point or four-point conducted (No. N/A).

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A MORRISON KNUDSEN COMPANY

PROJECT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SOW 4/27/89
QA ENTRY NO. 875

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/24/89	Test No.: CM-M-105
Location: EAST Quandrant of Cell at Elevation 4127 (INTERIOR LINES)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 746.4
B. Dry soil & container, g		707.5
C. Moisture loss, g (A-B)		38.9
D. Dry soil, g (B-E)		532.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		7.3% Pass/Fail
Optimum Moisture = 10.9 / -3.6 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89
Job: 3050/Green River	Date: 4/24/89	Test No.: CM-M-106
Location: SOUTH Quandrant of Cell at Elevation 4127 (INTERIOR LINES)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 780.5
B. Dry soil & container, g		745.9
C. Moisture loss, g (A-B)		34.6
D. Dry soil, g (B-E)		174.8
E. Container, g		571.1
F. % Moisture $(\frac{C}{D} \times 100)$ (CM-1-019)-ONE-POINT		6.1% Pass/Fail
Optimum Moisture = 11.9 / -5.8 % of optimum moisture Comments: ONE POINT INDICATES CURVE NO CM-4-020		Checked By: [illegible] Steve Dike 4-26-89

SCALES USED GR-02

* One-point or four-point conducted (No. CM-M-020).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Steve 4-26-89
QA ENTRY NO. 809

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4-24-89	Test No.: CM-M- 107	
Location: WEST Quandrant of Cell at Elevation 4127 (LINEBROWNS)		Tested By: Gene Lohman (Training)	
A. Wet soil & container, g		NICKO. 742.7	OLEN 759.3
B. Dry soil & container, g		710.9	728.6
C. Moisture loss, g (A-B)		31.8	30.7
D. Dry soil, g (B-E)		536.1	553.8
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.9%	5.5% (Pass) Fail
Optimum Moisture = 11.9 / -6.0 % of optimum moisture Comments:		Checked By: Steve Dike A-26-89	

Job: 3050/Green River	Date:	Test No.: CM-M- 108	
Location: NORTH Quandrant of Cell at Elevation 4127 (LINEBROWNS)		Tested By: Gene Lohman (Training)	
A. Wet soil & container, g		MEADOWLANE 793.0	
B. Dry soil & container, g		759.3	
C. Moisture loss, g (A-B)		33.7	
D. Dry soil, g (B-E)		584.6	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		5.8%	(Pass)/Fail
Optimum Moisture = 11.9 / -6.1 % of optimum moisture Comments:		Checked By: Steve Dike A-26-89	

SCALES USED CR-001

* One-point or four-point conducted (No.).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDW 4/25/89
QA ENTRY NO. 590

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4-24-89	Test No.: CM-M- 109	
Location: SOUTH Quandrant of Cell at Elevation 4128 (INTERBOWNS)		Tested By: [illegible]	
		Milchowski	Oven
A. Wet soil & container, g		787.7	730.4
B. Dry soil & container, g		760.1	705.7
C. Moisture loss, g (A-B)		27.6	24.7
D. Dry soil, g (B-E)		585.4	531.0
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.7% ok	4.7% Pass/Fail
Optimum Moisture = 11.9 / -7.2 % of optimum moisture Comments:		Checked By: [illegible] Steve Dike 4-26-89	

Job: 3050/Green River	Date:	Test No.: CM-M- 110
Location: _____ Quandrant of Cell at Elevation _____		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g	N A	
C. Moisture loss, g (A-B)		
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = 11.9 / — % of optimum moisture Comments:		Checked By:

SCALES USED _____

* One-point or four-point conducted (No.).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/26/89
QA ENTRY NO. 898

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River SDM 4/26/89	Date: 4-25-89	Test No.: CM-M- 110	
Location: ~~EAST~~ ~~WEST~~ Quandrant of Cell at Elevation 4128 (WENDBLOWNS)		(GENE COLMAN TRAINING) Tested By: Steve Mark	
A. Wet soil & container, g		Microwave 768.1	Oven 774.2
B. Dry soil & container, g		738.1	743.2
C. Moisture loss, g (A-B)		30.0	31.0
D. Dry soil, g (B-E)		563.4	568.5
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.36% ← OK → 5.5% Pass/Fail	
Optimum Moisture = 11.9 / -6.6 % of optimum moisture Comments:		Checked By: Steve Dike 4-26-8	

Job: 3050/Green River	Date:	Test No.: CM-M- 111	
Location: NORTH Quandrant of Cell at Elevation 4128 (WENDBLOWNS)		(GENE COLMAN TRAINING) Tested By: Steve Mark	
A. Wet soil & container, g		Microwave 792.5	
B. Dry soil & container, g		762.6	
C. Moisture loss, g (A-B)		29.9	
D. Dry soil, g (B-E)		587.8	
E. Container, g		174.8	
F. % Moisture $(\frac{C}{D} \times 100)$		5.1% Pass/Fail	
*Optimum Moisture = 10.8 / -5.7 % of optimum moisture Comments: ONE-POINT CONDUCTED (NO. CM-1-020)		Checked By: Steve Dike	

SCALES USED GB-002

* One-point or four-point conducted (No. CM-4-004).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 4/26/89
QA ENTRY NO. 899

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/25/89	Test No.: CM-M- 112
Location: EAST Quandrant of Cell at Elevation 4128 (1' END BLOWINS)		(GENE LOHMAN TRAINING) Tested By: Steve Mark
A. Wet soil & container, g		MICROWAVE 750.4
B. Dry soil & container, g		724.8
C. Moisture loss, g (A-B)		25.6
D. Dry soil, g (B-E)		550.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.7 Pass/Fail
Optimum Moisture = 10.8 / -6.1 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 4-25-89	Test No.: CM-M-113
Location: NORTH Quandrant of Cell at Elevation 4128 (1' END BLOWINS)		(GENE LOHMAN TRAINING) Tested By: Steve Mark
A. Wet soil & container, g		MICROWAVE 789.2
B. Dry soil & container, g		756.3
C. Moisture loss, g (A-B)		32.9
D. Dry soil, g (B-E)		581.5
E. Container, g		174.9
F. % Moisture $(\frac{C}{D} \times 100)$		5.7% Pass/Fail
Optimum Moisture = 10.8 / -5.1 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED 68-002

* One-point or four-point conducted (No. N/A).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SOM 4/26/89
QA ENTRY NO. 9120

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/25/89	Test No.: CM-M- 114
Location: WEST Quandrant of Cell at Elevation 4129 (WINDBLOWS)		(GENE LOHMAN TRAINING) Tested By: Steve Mont
A. Wet soil & container, g		MICROWAVE 754.9
B. Dry soil & container, g		725.4
C. Moisture loss, g (A-B)		29.5
D. Dry soil, g (B-E)		550.6
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.4 Pass/Fail
Optimum Moisture = 10.8 / -5.4 % of optimum moisture Comments:		Checked By: Steve Dhe 4-26-89

Job: 3050/Green River	Date: 4/25/89	Test No.: CM-M- 115
Location: SOUTH Quandrant of Cell at Elevation 4139 (WINDBLOWS)		(GENE LOHMAN TRAINING) Tested By: Steve Mont
A. Wet soil & container, g		MICROWAVE 771.9 / OVEN 774.4
B. Dry soil & container, g		724.6 / 727.3
C. Moisture loss, g (A-B)		47.3 / 47.1
D. Dry soil, g (B-E)		549.9 / 552.5
E. Container, g		174.7 / 174.8
F. % Moisture $(\frac{C}{D} \times 100)$ (CDK SCARIFIED AND WILL ALLOW TO DRY TONIGHT. SOM)		8.6 OK → 8.5 Pass/Fail
*Optimum Moisture = 10.7 / -2.1 % of optimum moisture Comments: ONE POINT CONDUCTED (NO CM-1-02)		(GENE LOHMAN TRAINING) Checked By: Steve Mont

SCALES USED GB-002

Steve Dhe 4-26-89

* One-point or four-point conducted (No. N/A).

CM-4-010

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/26/89
QA ENTRY NO. 901

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4/25/89	Test No.: CM-M- 116
Location: ~~EAST~~ Quandrant of Cell at Elevation 4129 (WINDBLOWN)		Tested By: (GENE LOHMAN TRAINING) Glenn Morris
A. Wet soil & container, g		MICROWAVE 789.1
B. Dry soil & container, g		731.3
C. Moisture loss, g (A-B)		57.8
D. Dry soil, g (B-E)		556.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$	(COK SCARIFIED AND WILL ALLOW TO DRY TONIGHT. SDM.)	10.4 Pass/Fail
Optimum Moisture = 10.7 / -3 % of optimum moisture Comments:		Checked By: Glenn Morris Steve Dibe 4-26-89
Job: 3050/Green River	Date:	Test No.: CM-M-
Location: _____ Quandrant of Cell at Elevation _____		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)	N/A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GB-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/27/89
QA ENTRY NO. 9A

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M-115-R1
Location: SOUTH Quandrant of Cell at Elevation 4129 (INFROBLOWN'S)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 747.6
B. Dry soil & container, g		717.6
C. Moisture loss, g (A-B)		30.0
D. Dry soil, g (B-E)		542.9
E. Container, g		174.7 ~~147.7~~ SD 4-26-89
F. % Moisture $(\frac{C}{D} \times 100)$		5.5 (Pass/Fail)
Optimum Moisture = 10.7 / -5.2 % of optimum moisture Comments:		Checked By: [illegible] [illegible] Jan 4/26/89
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M-116-R7
Location: EAST Quandrant of Cell at Elevation 4129 (INFROBLOWN'S)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 731.7
B. Dry soil & container, g		701.3
C. Moisture loss, g (A-B)		30.4
D. Dry soil, g (B-E)		526.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.8 (Pass/Fail)
Optimum Moisture = 10.7 / -4.9 % of optimum moisture Comments:		Checked By: [illegible] [illegible]

SCALES USED CR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4-27-89
QA ENTRY NO. 936

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 117
Location: North Quandrant of Cell at Elevation 4128 (LATERITE)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 753.0
B. Dry soil & container, g		712.5
C. Moisture loss, g (A-B)		40.5
D. Dry soil, g (B-E)		537.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		7.5 (Pass/Fail)
Optimum Moisture = 10.7 / -3.2 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 118
Location: West Quandrant of Cell at Elevation ~~4128~~ SD 4129 4-26-89 (LATERITE)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 763.4
B. Dry soil & container, g		733.5
C. Moisture loss, g (A-B)		29.9
D. Dry soil, g (B-E)		558.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.4 (Pass/Fail)
Optimum Moisture = 11.9 / -6.5 % of optimum moisture Comments: 4-POINT PROCTOR NO CM-4-020 MATCHED 1-PT.		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-022).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 30[illegible]
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/27/89
QA ENTRY NO. 931

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 119
Location: South Quandrant of Cell at Elevation 4129 (MINOBLOWS)		Tested By: Steve Dhe
A. Wet soil & container, g		MICROWAVE 734.3
B. Dry soil & container, g		708.1
C. Moisture loss, g (A-B)		26.2
D. Dry soil, g (B-E)		533.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.9 Pass/Fail
Optimum Moisture = 11.9 / -7.0 % of optimum moisture Comments:		Checked By: SD 4-26-89 ~~SD~~ Steven Mott
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 120
Location: EAST Quandrant of Cell at Elevation 4129 (MINOBLOWS)		Tested By: Steve Dhe
A. Wet soil & container, g		MICROWAVE 756.9
B. Dry soil & container, g		732.9
C. Moisture loss, g (A-B)		24.0
D. Dry soil, g (B-E)		558.~~2~~1 SD 4-26-89
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$ 11.9 SDM 4/26/89		4.3 Pass/Fail
Optimum Moisture = ~~11.9~~ / -7.6 % of optimum moisture Comments:		Checked By: Steven Mott

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL CONTRACT # 3050 GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4-27-89
QA ENTRY NO. 932

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 121	
Location: EAST Quandrant of Cell at Elevation 4130 (WIND BLOWN)		Tested By: Steve Dike	
A. Wet soil & container, g		MICRO 771.1	OVEN 779.5
B. Dry soil & container, g		746.0	751.6
C. Moisture loss, g (A-B)		25.1	27.9
D. Dry soil, g (B-E)		571.3	576.9
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.4	4.8 Pass/Fail
Optimum Moisture = 11.9 / ~~-6.5~~ -7.5% SDM 4-27-89 % of optimum moisture Comments:		Checked By: Steve Mark	
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M- 122	
Location: SOUTH Quandrant of Cell at Elevation 4130 (WIND BLOWN)		Tested By: Steve Dike	
A. Wet soil & container, g		MICROWAVE 778.5	
B. Dry soil & container, g		746.5	
C. Moisture loss, g (A-B)		32.0	
D. Dry soil, g (B-E)		571.8	
E. Container, g		174.7	
F. % Moisture $(\frac{C}{D} \times 100)$		5.6	Pass/Fail
Optimum Moisture = 11.9 / -6.3 % of optimum moisture Comments:		Checked By: Steve Mark	

SCALES USED BR 002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/27/89
QA ENTRY NO. 923

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-26-89	Test No.: CM-M-123	
Location: EAST Quandrant of Cell at Elevation 4131 (WATERBOUNDS)		Tested By: Steve Dive	
A. Wet soil & container, g		MICRO 772.6	OVEN 772.5
B. Dry soil & container, g		749.2	749.0
C. Moisture loss, g (A-B)		23.4	23.5
D. Dry soil, g (B-E)		574.5	574.3
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.1	4.1 Pass/Fail
Optimum Moisture = 11.9 / -7.8 % of optimum moisture Comments:		Checked By: [illegible]	
Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N/A		
C. Moisture loss, g (A-B)			
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture $(\frac{C}{D} \times 100)$			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-EC2

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 4/29/89
QA ENTRY NO. 936

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M- 124	
Location: South Quandrant of Cell at Elevation 4131		Tested By: Steve Dike	
		MICROWAVE	OVEN
A. Wet soil & container, g		724.3	754.5
B. Dry soil & container, g		695.5	721.5
C. Moisture loss, g (A-B)		28.8	33.0
D. Dry soil, g (B-E)		520.7	546.7
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.5	6.0 Pass/Fail
*Optimum Moisture = 10.8% / -5.3 % of optimum moisture Comments: Four-point proctor #CM-4-004 was matched		Checked By: [illegible]	
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M- 125	
Location: WEST Quandrant of Cell at Elevation 4130 (INTERBOUNDS)		Tested By: Steve Dike	
		Microwave	
A. Wet soil & container, g		747.8	
B. Dry soil & container, g		717.6	
C. Moisture loss, g (A-B)		30.2	
D. Dry soil, g (B-E)		542.~~3~~9 SD 4-27-89	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		5.6	Pass/Fail
Optimum Moisture = 10.8% / -5.2 % of optimum moisture Comments:		Checked By: [illegible]	

SCALES USED QR-002

* One-point or four-point conducted (No. CM-1-023).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Alzaleh
QA ENTRY NO. 677

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M- 126
Location: EAST Quadrant of Cell at Elevation ~~4130~~ SD 4131 4-27-89 (Lateral Blowing)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 766.9
B. Dry soil & container, g		734.0
C. Moisture loss, g (A-B)		32.9
D. Dry soil, g (B-E)		559.2
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.9 Pass/Fail
Optimum Moisture = 10.8 / -4.9 % of optimum moisture Comments:		Checked By: Steve Mark
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M- 127
Location: North Quadrant of Cell at Elevation 4129 (Lateral Blowing)		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 735.6
B. Dry soil & container, g		700.8
C. Moisture loss, g (A-B)		34.8
D. Dry soil, g (B-E)		526.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.6 Pass/Fail
Optimum Moisture = 10.8 / -4.2 % of optimum moisture Comments:		Checked By: Steve Mark

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY San Alzaley
QA ENTRY NO. 6128

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M-128
Location: South Quandrant of Cell at Elevation 4131 (Lenticulars)		Tested By: Steve Dube
A. Wet soil & container, g		Microwave 757.2
B. Dry soil & container, g		721.7
C. Moisture loss, g (A-B)		35.5
D. Dry soil, g (B-E)		547.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.5 Pass/Fail
Optimum Moisture = 10.8 / -4.3 % of optimum moisture Comments:		Checked By:
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M-129
Location: North Quandrant of Cell at Elevation 4130 (Lenticulars)		Tested By: Steve Dube
A. Wet soil & container, g		Microwave 760.8
B. Dry soil & container, g		731.0
C. Moisture loss, g (A-B)		29.8
D. Dry soil, g (B-E)		556.2
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.4 Pass/Fail
Optimum Moisture = 10.8 / -5.4 % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/28/90
QA ENTRY NO. 620

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 4-27-89	Test No.: CM-M- 130	
Location: South Quandrant of Cell at Elevation 4132 (WITHDRAWN)		Tested By: Steve Dike	
		Micro	Oven
A. Wet soil & container, g		711.2	720.1
B. Dry soil & container, g		687.9	698.1
C. Moisture loss, g (A-B)		23.3	22.0
D. Dry soil, g (B-E)		513.2	523.4
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.5	4.2 (Pass) Fail
Optimum Moisture = 10.8 / -6.3 % of optimum moisture Comments:		Checked By: [illegible]	
Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/28/89
QA ENTRY NO. 956

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-131
EAST Quandrant of Cell at Elevation 4132 Location: (WETDOBLOWS)		Tested By: Steve Dube
A. Wet soil & container, g		MICROWAVE / OVEN 761.4 715.8
B. Dry soil & container, g		750.5 705.7
C. Moisture loss, g (A-B)		10.9 10.1
D. Dry soil, g (B-E)		575.8 531.0
E. Container, g		174.7 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		1.9 1.9 Pass/Fail
Optimum Moisture = 10.9 / -9.0 % of optimum moisture Comments: (A ONE-POINT WAS CONDUCTED)(CM-1-030)		Checked By:
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-132
SOUTH Quandrant of Cell at Elevation 4133 Location: (WETDOBLOWS)		Tested By: Steve Dube
A. Wet soil & container, g		MICROWAVE 731.2
B. Dry soil & container, g		712.0
C. Moisture loss, g (A-B)		19.2
D. Dry soil, g (B-E)		537.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.6 Pass/Fail
Optimum Moisture = 10.9 / -7.3 % of optimum moisture Comments: (WETDOBLOWS)		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-030).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY 4/28/89 SOW
QA ENTRY NO. 937

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-133
WEST Quandrant of Cell at Elevation 4130 Location: (UNDERGROUND)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 744.0
B. Dry soil & container, g		728.3
C. Moisture loss, g (A-B)		15.7
D. Dry soil, g (B-E)		553.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		2.8 Pass/Fail
timum Moisture = 10.9 / -8.1 % of optimum moisture mments:		Checked By:
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-134
South Quandrant of Cell at Elevation 4134 Location: (UNDERGROUND)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 715.5
B. Dry soil & container, g		700.8
C. Moisture loss, g (A-B)		14.7
D. Dry soil, g (B-E)		526.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		2.8 Pass/Fail
Optimum Moisture = 10.9 / -8.1 % of optimum moisture mments:		Checked By:

SCALES USED BR-002

* One-point or four-point conducted (No. N/A).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Alzales Sam
QA ENTRY NO. 938

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-135
EAST Quandrant of Cell at Elevation 4133 Location: (MENDBOUNS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 755.4
B. Dry soil & container, g		736.7
C. Moisture loss, g (A-B)		18.7
D. Dry soil, g (B-E)		562.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.3 Pass/Fail
ptimum Moisture = 13.1 / -9.8 % of optimum moisture omments:		Checked By:
Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-136
WEST Quandrant of Cell at Elevation 4131 Location: (MENDBOUNS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 766.2
B. Dry soil & container, g		741.5
C. Moisture loss, g (A-B)		24.7
D. Dry soil, g (B-E)		566.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.4 Pass/Fail
ptimum Moisture = 13.1 / -8.7 % of optimum moisture omments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-025).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 4/29/89
QA ENTRY NO. 959

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M- 137	
Location: NORTH Quandrant of Cell at Elevation 4130 (UNDERGROUND)		Tested By: Steve Dike	
		micro	aew
A. Wet soil & container, g		755.0	716.3
B. Dry soil & container, g		733.4	696.2
C. Moisture loss, g (A-B)		21.6	20.1
D. Dry soil, g (B-E)		558.7	521.5
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.9	3.9 Pass/Fail
Optimum Moisture = 13.1 / -9.2 % of optimum moisture Comments:		Checked By: [illegible]	

Job: 3050/Green River	Date: 4-28-89	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = ____ / ____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No.).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sm 5/1/89
QA ENTRY NO. 9266

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M-138
Location: WEST Quandrant of Cell at Elevation 4132		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 756.0
B. Dry soil & container, g		736.2
C. Moisture loss, g (A-B)		19.8
D. Dry soil, g (B-E)		561.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.5 Pass/Fail
Optimum Moisture = 13.2 / -9.7 % of optimum moisture Comments: (WEIGHBOUNS)		Checked By:
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M-139
Location: NORTH Quandrant of Cell at Elevation 4131		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 758.9
B. Dry soil & container, g		747.5
C. Moisture loss, g (A-B)		11.4
D. Dry soil, g (B-E)		572.7
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		2.0 Pass/Fail
Optimum Moisture = 13.2 / -11.2 % of optimum moisture Comments: (WEIGHBOUNS)		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-026).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/11/89
QA ENTRY NO. 944

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M-140
Location: EAST Quandrant of Cell at Elevation 4134		Tested By: Steve Dale
A. Wet soil & container, g		MICROWAVE 755.1
B. Dry soil & container, g		726.8
C. Moisture loss, g (A-B)		28.3
D. Dry soil, g (B-E)		552.1
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.1 (Pass/Fail)
Optimum Moisture = 13.2 / -8.1 % of optimum moisture Comments: (MEDBLOWS)		Checked By: [illegible]

Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M-141	
Location: SOUTH Quandrant of Cell at Elevation 4134		Tested By: Steve Dale	
A. Wet soil & container, g		Micro 765.0	Oven 766.7
B. Dry soil & container, g		745.9	746.1
C. Moisture loss, g (A-B)		19.1	20.6
D. Dry soil, g (B-E)		571.1	571.3
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		3.3	3.6 (Pass/Fail)
Optimum Moisture = 13.2 / -9.9 % of optimum moisture Comments: (MEDBLOWS)		Checked By: [illegible]	

SCALES USED BK-002

* One-point or four-point conducted (No. NA).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/1/89
QA ENTRY NO. 946

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M- 142
Location: WEST Quandrant of Cell at Elevation 4132 (THICKENS + WENDBOWN MED)		Tested By: Steve Dhe
A. Wet soil & container, g		MICROWAVE 768.4
B. Dry soil & container, g		742.5
C. Moisture loss, g (A-B)		25.9
D. Dry soil, g (B-E)		567.7
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.6 Pass/Fail
Optimum Moisture = 13.5 / 8.9 % of optimum moisture Comments: FOUR POINT CONDUCTED.		Checked By:
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M- 143
Location: SOUTH Quandrant of Cell at Elevation 4134.5 SDM 5/1/89 (THICKENS + WENDBOWN MED)		Tested By: Steve Dhe
A. Wet soil & container, g		MICROWAVE 710.5
B. Dry soil & container, g		694.6
C. Moisture loss, g (A-B)		15.9
D. Dry soil, g (B-E)		519.8
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		3.1 Pass/Fail
Optimum Moisture = 13.5 / -10.4 % of optimum moisture Comments:		Checked By:

SCALES USED QR-002

* One-point or four-point conducted (No. CM-4-032).

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ORIGINAL
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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Steve 5-1-89
QA ENTRY NO. 9246

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-1-89	Test No.: CM-M- 144	
Location: NORTH Quandrant of Cell at Elevation 4132 (CATTINGS & WATERGUN MIX)		Tested By: Steve Dale	
A. Wet soil & container, g		755.6	709.9
B. Dry soil & container, g		737.4	692.1
C. Moisture loss, g (A-B)		18.0	17.8
D. Dry soil, g (B-E)		562.8	517.3
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		3.2	3.4 Pass/Fail
Optimum Moisture = 13.5 / -10.3 % of optimum moisture Comments:		Checked By:	
Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 5/5/89
QA ENTRY NO. 964

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M-145
Location: NORTH Quandrant of Cell at Elevation 4133 (TAILINGS AND WINDBLOWN MAT'L)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 774.5
B. Dry soil & container, g		742.2
C. Moisture loss, g (A-B)		32.3
D. Dry soil, g (B-E)		567.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.7 Pass/Fail
Optimum Moisture = 13.5 / -7.8 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M-146
Location: WEST Quandrant of Cell at Elevation 4133 (TAILINGS & WINDBLOWN MAT'L)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 737.4
B. Dry soil & container, g		716.8
C. Moisture loss, g (A-B)		20.6
D. Dry soil, g (B-E)		542.1
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.8 Pass/Fail
Optimum Moisture = 13.5 / -9.7 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED CR-002

* One-point or four-point conducted (No. N/A).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. 065

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M- 147	
Location: EAST Quandrant of Cell at Elevation 4135 (TAILINGS)		Tested By: Steve Dike	
A. Wet soil & container, g		MICROWAVE 737.4	OVEN 742.1
B. Dry soil & container, g		699.4	706.4
C. Moisture loss, g (A-B)		38.0	35.7
D. Dry soil, g (B-E)		524.7	531.7
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$ (CM-1-027 ONE-POINT)		7.2	6.7 Pass/Fail
Optimum Moisture = 13.1 / -5.9 % of optimum moisture Comments: ONE-POINT CONDUCTED WITHOUT MATCHED CM-1-006		Checked By: [illegible]	
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M- 148	
Location: SOUTH Quandrant of Cell at Elevation 4136 (TAILINGS)		Tested By: Steve Dike	
A. Wet soil & container, g		MICROWAVE 722.4	
B. Dry soil & container, g		696.2	
C. Moisture loss, g (A-B)		26.2	
D. Dry soil, g (B-E)		521.4	
E. Container, g		174.8	
F. % Moisture $(\frac{C}{D} \times 100)$		5.0 Pass/Fail	
Optimum Moisture = 13.1 / -8.1 % of optimum moisture Comments:		Checked By: [illegible]	

SCALES USED 62-002

* One-point or four-point conducted (No. CM-1-027).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 5/2/89
QA ENTRY NO. [illegible]

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M-149
Location: WEST Quandrant of Cell at Elevation 4134 (TAILINGS)		Tested By: Steve Duke
A. Wet soil & container, g		MICROWAVE 773.1
B. Dry soil & container, g		751.1
C. Moisture loss, g (A-B)		22.0
D. Dry soil, g (B-E)		576.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.8 Pass/Fail
timum Moisture = 13.1 / -7.3 % of optimum moisture mments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M-150
Location: NORTH Quandrant of Cell at Elevation 4134 (TAILINGS)		Tested By: Steve Duke
A. Wet soil & container, g		MICROWAVE 753.6
B. Dry soil & container, g		716.4
C. Moisture loss, g (A-B)		37.2
D. Dry soil, g (B-E)		541.7
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.9 Pass/Fail
timum Moisture = 13.1 / -6.2 % of optimum moisture mments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. NA).

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CONTRACT # 3050
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-2-89	Test No.: CM-M- 151	
Location: EAST Quandrant of Cell at Elevation 4126 (FAILINGS)		Tested By: Steve Dike	
A. Wet soil & container, g		757.8	771.2
B. Dry soil & container, g		729.6	743.9
C. Moisture loss, g (A-B)		28.2	27.3
D. Dry soil, g (B-E)		554.9	569.2
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.1	4.8 Pass/Fail
Optimum Moisture = 13.1 / -8.0 % of optimum moisture Comments: NA		Checked By: [illegible]	
Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. NA).

MK-FERGUSON COMPANY
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-152
Location: SOUTH Quandrant of Cell at Elevation 4137 (TAILINGS)		Tested By: Steve Dahl
A. Wet soil & container, g		MICROWAVE 742.9
B. Dry soil & container, g		729.1
C. Moisture loss, g (A-B)		13.8
D. Dry soil, g (B-E)		554.3
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		2.5 Pass/Fail
Optimum Moisture = 13.1 / -10.6 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-153
Location: EAST Quandrant of Cell at Elevation 4137 (TAILINGS)		Tested By: Steve Dahl
A. Wet soil & container, g		MICROWAVE 743.9
B. Dry soil & container, g		732.9
C. Moisture loss, g (A-B)		11.0
D. Dry soil, g (B-E)		558.1
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		2.0 Pass/Fail
Optimum Moisture = 13.1 / -11.1 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED CR-002

* One-point or four-point conducted (No. NH).

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/4/89
QA ENTRY NO. 265

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-154	
Location: WEST Quandrant of Cell at Elevation 4135 (TAILINGS)		Tested By: Steve Dike	
		Micro	Oven
A. Wet soil & container, g		751.4	740.0
B. Dry soil & container, g		732.7	720.9
C. Moisture loss, g (A-B)		18.7	19.1
D. Dry soil, g (B-E)		558.0	546.2
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.4	3.5 Pass/Fail
Optimum Moisture = 13.5 / -10.2 % of optimum moisture (SDM 5/3/89)		Checked By:	
Comments: (ONE POINT CM-1-028 CONDUCTED)			
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-155	
Location: NORTH Quandrant of Cell at Elevation 4135 (TAILINGS)		Tested By: Steve Dike	
		MICROWAVE	
A. Wet soil & container, g		773.3	
B. Dry soil & container, g		752.0	
C. Moisture loss, g (A-B)		21.3	
D. Dry soil, g (B-E)		577.3	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		3.7 Pass/Fail	
Optimum Moisture = 13.5 / -9.8 % of optimum moisture		Checked By:	
Comments:			

SCALES USED BR-002

* One-point or four-point conducted (No. CM-1-028).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/14/89
QA ENTRY NO. 924

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-156
Location: SOUTH Quandrant of Cell at Elevation 4136 (TAILINGS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 760.2
B. Dry soil & container, g		740.0
C. Moisture loss, g (A-B)		20.2
D. Dry soil, g (B-E)		565.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.6 Pass/Fail
Optimum Moisture = 14.5 / -10.9 % of optimum moisture Comments: (FOUR POINT CONDUCTED CM-4-03~~4~~5) SDM 5/14/89		Checked By:
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M-157
Location: NORTH Quandrant of Cell at Elevation 4136 (TAILINGS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 769.2
B. Dry soil & container, g		750.8
C. Moisture loss, g (A-B)		18.4
D. Dry soil, g (B-E)		576.0
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		3.2 Pass/Fail
Optimum Moisture = 14.5 / -11.3 % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-03~~4~~5). SDM 5/14/89

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/4/89
QA ENTRY NO. 965

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-3-89	Test No.: CM-M- 158	
Location: WEST Quandrant of Cell at Elevation 4136 (TAILINGS)		Tested By: Steve Dike	
A. Wet soil & container, g		Micro 787.8	Oven 788.1
B. Dry soil & container, g		767.0	765.5
C. Moisture loss, g (A-B)		20.8	22.6
D. Dry soil, g (B-E)		592.2	590.7
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		3.5	3.8 Pass/Fail
Optimum Moisture = 14.5 / 11.0 % of optimum moisture Comments:		Checked By:	

Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = ____ / ____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No.).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Stolp
QA ENTRY NO. 972

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M-159
Location: SOUTH Quandrant of Cell at Elevation 4139 (TAILINGS)		Tested By: Steve Duke
A. Wet soil & container, g		MICROWAVE 773.2
B. Dry soil & container, g		754.2
C. Moisture loss, g (A-B)		19.0
D. Dry soil, g (B-E)		579.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.3 Pass/Fail
Optimum Moisture = 14.5 / -11.2 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M-160
Location: EAST Quandrant of Cell at Elevation 4138 (TAILINGS)		Tested By: Steve Duke
A. Wet soil & container, g		MICROWAVE 751.8
B. Dry soil & container, g		729.5
C. Moisture loss, g (A-B)		22.3
D. Dry soil, g (B-E)		554.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.0 Pass/Fail
Optimum Moisture = 14.5 / -10.5 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. NA).

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

MK-FERGUSON COMPANY
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 5/5/89
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M- 161
Location: WEST Quandrant of Cell at Elevation 4137 TAILINGS		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 755.9
B. Dry soil & container, g		723.0
C. Moisture loss, g (A-B)		32.9
D. Dry soil, g (B-E)		548.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.0 Pass/Fail
Optimum Moisture = 15.0 / -9.0 % of optimum moisture Comments: (ONE-POINT NO CM-1-029)		Checked By: [illegible]

Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M-162
Location: NORTH Quandrant of Cell at Elevation 4137 TAILINGS		Tested By: Steve Dike
A. Wet soil & container, g		MICRO 767.9 / OVEN 746.0
B. Dry soil & container, g		742.1 / 722.4
C. Moisture loss, g (A-B)		25.9 / 23.6
D. Dry soil, g (B-E)		567.4 SD 5-4-89 / 547.7
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.5 / 4.3 Pass/Fail
Optimum Moisture = 15.0 / -10.5 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-037).

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ORIGINAL
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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible] 5/4/89
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M- 163
Location: SOUTH Quandrant of Cell at Elevation 4140 (TAILINGS)		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 767.0
B. Dry soil & container, g		745.0
C. Moisture loss, g (A-B)		22.0
D. Dry soil, g (B-E)		570.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.9 (Pass)/Fail
Optimum Moisture = 15.0 / -11.1 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M- [illegible]
Location: EAST Quandrant of Cell at Elevation 4138 (TAILINGS)		Tested By: Steve Dike
A. Wet soil & container, g		MICRO 761.0 / OVEN 713.1
B. Dry soil & container, g		741.2 / 691.5
C. Moisture loss, g (A-B)		19.8 / 21.6
D. Dry soil, g (B-E)		566.4 / 516.7
E. Container, g		174.8 / 174.8
F. % Moisture $(\frac{C}{D} \times 100)$		3.5 / 4.2 (Pass)/Fail
Optimum Moisture = 15.0 / -11.5 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED G-R-CC2

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M-165
Location: WEST Quandrant of Cell at Elevation 4138 (TAILINGS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 732.2
B. Dry soil & container, g		709.3
C. Moisture loss, g (A-B)		22.9
D. Dry soil, g (B-E)		534.5
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		4.3 (Pass/Fail)
Optimum Moisture = 15.0 / -16.7 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-4-89	Test No.: CM-M-166
Location: NORTH Quandrant of Cell at Elevation 4138 (TAILINGS)		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 782.9
B. Dry soil & container, g		766.8
C. Moisture loss, g (A-B)		16.1
D. Dry soil, g (B-E)		592.1
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		2.7 (Pass/Fail)
Optimum Moisture = 15.0 / -12.3 % of optimum moisture Comments: (FOUR POINT CONDUCTED)		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. CM-M-028).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDW 5/9/89
QA ENTRY NO. 9251

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 167
EAST Quandrant of Cell at Elevation 4139 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 757.5
B. Dry soil & container, g		728.5
C. Moisture loss, g (A-B)		29.0
D. Dry soil, g (B-E)		553.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.2 (Pass)/Fail
Optimum Moisture = 15.2 / -10.0 % of optimum moisture Comments: (ONE - POINT CONDUCTED)		Checked By: [illegible]
Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 168
WEST Quandrant of Cell at Elevation 4139 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 761.7
B. Dry soil & container, g		718.3
C. Moisture loss, g (A-B)		43.4
D. Dry soil, g (B-E)		543.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		8.0 (Pass)/Fail
Optimum Moisture = 15.2 / -7.2 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-031).

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

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QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/8/89
QA ENTRY NO. 982

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 169
Location: SOUTH Quandrant of Cell at Elevation 4141 Tailings		Tested By: Steve Dive
A. Wet soil & container, g		765.4 / 745.1
B. Dry soil & container, g		732.3 / 711.3
C. Moisture loss, g (A-B)		33.1 / 33.8
D. Dry soil, g (B-E)		557.6 / 536.6
E. Container, g		174.7 / 174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.9% / 6.3% Pass/Fail
Optimum Moisture = 15.2 / -9.3 % of optimum moisture Comments:		Checked By:

Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 170
Location: NORTH Quandrant of Cell at Elevation 4138 Tailings		Tested By: Steve Dive
A. Wet soil & container, g		781.4
B. Dry soil & container, g		752.3
C. Moisture loss, g (A-B)		29.1
D. Dry soil, g (B-E)		577.5
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.0 Pass/Fail
Optimum Moisture = 15.2 / -10.2 % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sm 5/9/89
QA ENTRY NO. 985

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 171
Location: WEST Quandrant of Cell at Elevation 4140 TAILINGS		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 757.2
B. Dry soil & container, g		732.1
C. Moisture loss, g (A-B)		25.1
D. Dry soil, g (B-E)		557.3
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.5 (Pass) Fail
Optimum Moisture = 15.2 / -10.7 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 172
Location: NORTH Quandrant of Cell at Elevation 4139 TAILINGS		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 784.2
B. Dry soil & container, g		766.0
C. Moisture loss, g (A-B)		18.2
D. Dry soil, g (B-E)		591.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.1 (Pass) Fail
Optimum Moisture = 15.2 / -12.1 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/8/89
QA ENTRY NO. 954

PECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-5-89	Test No.: CM-M- 173
EAST Quandrant of Cell at Elevation 4140 Location: TAILINGS		Tested By: Steve Dilue
A. Wet soil & container, g		Microwave 755.8
B. Dry soil & container, g		741.9
C. Moisture loss, g (A-B)		13.9
D. Dry soil, g (B-E)		567.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		2.5 Pass/Fail
timum Moisture = 13.7 / -11.2 % of optimum moisture mments: (Four Point CM-4-039 Conducted)		Checked By: [illegible]
Job: 3050/Green River	Date:	Test No.: CM-M-
Quandrant of Cell at Elevation Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g	N	
C. Moisture loss, g (A-B)	A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
timum Moisture = / % of optimum moisture mments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-039).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/9/89
QA ENTRY NO. 989

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/8/89	Test No.: CM-M-174
Location: SOUTH Quandrant of Cell at Elevation 4142 Tailings		Tested By: Steve Dilne
A. Wet soil & container, g		micro 776.7
B. Dry soil & container, g		753.8
C. Moisture loss, g (A-B)		22.9
D. Dry soil, g (B-E)		579.0
E. Container, g		174.9
F. % Moisture ($\frac{C}{D}$ x 100)		4.0 (Pass)/Fail
Optimum Moisture = 13.7 / -9.7 % of optimum moisture Comments:		Checked By:
Job: 3050/Green River	Date: 5/5/89	Test No.: CM-M-175
Location: WEST Quandrant of Cell at Elevation 4141		Tested By: Steve Dilne
A. Wet soil & container, g		micro 769.2 / oven 762.9
B. Dry soil & container, g		744.5 / 736.2
C. Moisture loss, g (A-B)		24.7 / 26.9
D. Dry soil, g (B-E)		569.8 / 561.5
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.3 / 4.8 (Pass)/Fail
Optimum Moisture = 13.7 / -9.4 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Sidles
QA ENTRY NO. 99

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-8-89	Test No.: CM-M-176
Location: NORTH Quandrant of Cell at Elevation 4140 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 736.5
B. Dry soil & container, g		711.9
C. Moisture loss, g (A-B)		24.6
D. Dry soil, g (B-E)		537.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.6 Pass/Fail
Optimum Moisture = 13.7 / -9.1 % of optimum moisture Comments:		Checked By:
Job: 3050/Green River	Date: 5-8-89	Test No.: CM-M-177
Location: EAST Quandrant of Cell at Elevation 4141 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		MICROWAVE 735.8
B. Dry soil & container, g		717.9
C. Moisture loss, g (A-B)		17.9
D. Dry soil, g (B-E)		543.2
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.3 Pass/Fail
Optimum Moisture = 13.5 / -10.2 % of optimum moisture Comments: ONE POINT CONDUCTED CM-1-032		Checked By:

SCALES USED 6R-002

* One-point or four-point conducted (No. CM-1-032).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/10/89
QA ENTRY NO. 001

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-8-89	Test No.: CM-M- 178
Location: NORTH Quandrant of Cell at Elevation 4141 Tailings		Tested By: Steve Dube
A. Wet soil & container, g		766.5
B. Dry soil & container, g		720.0
C. Moisture loss, g (A-B)		46.5
D. Dry soil, g (B-E)		545.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.4 Pass/Fail
Optimum Moisture = 13.5 / -6.1 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-8-89	Test No.: CM-M- 179
Location: WEST Quandrant of Cell at Elevation 4141 Tailings		Tested By: Steve Dube 5-8-89
A. Wet soil & container, g		762.6
B. Dry soil & container, g		732.5
C. Moisture loss, g (A-B)		30.1
D. Dry soil, g (B-E)		557.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.4 Pass/Fail
Optimum Moisture = 13.5 / -8.1 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Kigley
QA ENTRY NO. 992

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/8/89	Test No.: CM-M- 190
SOUTH Quandrant of Cell at Elevation 4142 Location: Tailings		Tested By: Steve Dibe
A. Wet soil & container, g		MEFORANE 776.6
B. Dry soil & container, g		753.0
C. Moisture loss, g (A-B)		23.6
D. Dry soil, g (B-E)		579.2
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.1 Pass/Fail
Optimum Moisture = 13.5 / 99.4 % of optimum moisture Comments:		Checked By:
Job: 3050/Green River	Date:	Test No.: CM-M-
_____ Quandrant of Cell at Elevation _____ Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)		
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GR-CC2

* One-point or four-point conducted (No. NA).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS BY SDM 5/10/89
QA ENTRY NO. 997

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/9/89	Test No.: CM-M-131
WEST Quandrant of Cell at Elevation 4141 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		756.8
B. Dry soil & container, g		728.2
C. Moisture loss, g (A-B)		28.6
D. Dry soil, g (B-E)		553.5
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.2 Pass/Fail
Optimum Moisture = 13.5 / -8.3 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5/9/89	Test No.: CM-M-132
SOUTH Quandrant of Cell at Elevation 4142 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		761.0
B. Dry soil & container, g		741.8
C. Moisture loss, g (A-B)		19.2
D. Dry soil, g (B-E)		567.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.4 Pass/Fail
Optimum Moisture = 13.5 / -10.1 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED CR-002

* One-point or four-point conducted (No. N/A).

NOTE: Today's elevations reflect grade changes obtained from site engineer

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Shu Sikolog
QA ENTRY NO. 595

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5/9/89	Test No.: CM-M-183	
EAST Quandrant of Cell at Elevation [illegible] Location: Tailings		Tested By: [illegible]	
A. Wet soil & container, g		760.6	760.3
B. Dry soil & container, g		733.2	733.8
C. Moisture loss, g (A-B)		27.4	26.3
D. Dry soil, g (B-E)		558.5	559.1
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.9	4.7 Pass/Fail
Optimum Moisture = [illegible] / -5.9 % of optimum moisture Comments: (ONE POINT NO. CM-1-033 CONDUCTED)		Checked By: [illegible]	
Job: 3050/Green River	Date: 5/9/89	Test No.: CM-M-184	
NORTH Quandrant of Cell at Elevation 4141 Location: Tailings		Tested By: Steve Dibel	
A. Wet soil & container, g		765.7	
B. Dry soil & container, g		742.5	
C. Moisture loss, g (A-B)		23.2	
D. Dry soil, g (B-E)		567.8	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		4.1 Pass/Fail	
Optimum Moisture = [illegible] / -9.7 % of optimum moisture Comments:		Checked By: [illegible]	

SCALES USED 012 - 002

* One-point or four-point conducted (No. [illegible]).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. 999

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-9-89	Test No.: CM-M- 185
Location: WEST Quandrant of Cell at Elevation 4142 Tailings		Tested By: Steve Dilne
A. Wet soil & container, g		753.9
B. Dry soil & container, g		737.1
C. Moisture loss, g (A-B)		16.8
D. Dry soil, g (B-E)		562.6
E. Container, g		174.5
F. % Moisture $(\frac{C}{D} \times 100)$		3.0 Pass/Fail
Optimum Moisture = 13.8%/ -10.8 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-9-89	Test No.: CM-M- 186
Location: NORTH Quandrant of Cell at Elevation 4142 Tailings		Tested By: Steve Dilne
A. Wet soil & container, g		721.5
B. Dry soil & container, g		707.7
C. Moisture loss, g (A-B)		13.8
D. Dry soil, g (B-E)		533.2
E. Container, g		174.5
F. % Moisture $(\frac{C}{D} \times 100)$		2.6 Pass/Fail
Optimum Moisture = 13.8%/ -11.2 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-9-89	Test No.: CM-M- 187	
EAST Quandrant of Cell at Elevation 4142 Location: Tailings		Tested By: [illegible]	
		Micro	Oven
A. Wet soil & container, g		759.7	764.1
B. Dry soil & container, g		749.0	751.5
C. Moisture loss, g (A-B)		10.7	12.6
D. Dry soil, g (B-E)		574.5	577.0
E. Container, g		174.5	174.5
F. % Moisture ($\frac{C}{D}$ x 100)		1.9	2.2 Pass/Fail
Optimum Moisture = 13.8%/ -11.9 % of optimum moisture Comments:		Checked By: [illegible]	
Job: 3050/Green River	Date:	Test No.: CM-M-	
_____ Quandrant of Cell at Elevation _____ Location:		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sm 5/11/89
QA ENTRY NO. 1005

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/10/89	Test No.: CM-M-188
NORTH Quandrant of Cell at Elevation 4112 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		microwave 747.5
B. Dry soil & container, g		733.2
C. Moisture loss, g (A-B)		14.3
D. Dry soil, g (B-E)		558.6
E. Container, g		174.6
F. % Moisture $(\frac{C}{D} \times 100)$		2.6 Pass/Fail
Optimum Moisture = [illegible] / [illegible] % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/10/89	Test No.: CM-M-189
EAST Quandrant of Cell at Elevation 4142 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		micro 747.4 / oven 755.8
B. Dry soil & container, g		729.1 / 739.0
C. Moisture loss, g (A-B)		18.3 / 16.8
D. Dry soil, g (B-E)		554.5 / 564.3
E. Container, g		174.6 / 174.6
F. % Moisture $(\frac{C}{D} \times 100)$		3.3 / 3.0 Pass/Fail
Optimum Moisture = 13.8% / -16.5 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED BR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. 1066

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-10-89	Test No.: CM-M- 190
SOUTH Quandrant of Cell at Elevation [illegible] Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		758.1
B. Dry soil & container, g		744.3
C. Moisture loss, g (A-B)		13.8
D. Dry soil, g (B-E)		569.7
E. Container, g		174.6
F. % Moisture ($\frac{C}{D}$ x 100)		2.4 Pass/Fail
Optimum Moisture = 15.8%/ -12.0 % of optimum moisture Comments: (ONE-POINT PROCTOR CM-1-034)		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-10-89	Test No.: CM-M- 191
WEST Quandrant of Cell at Elevation 4143 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		760.0
B. Dry soil & container, g		746.0
C. Moisture loss, g (A-B)		14.0
D. Dry soil, g (B-E)		571.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		2.5 Pass/Fail
Optimum Moisture = 15.0%/ -12.5 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-034).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/11/89
QA ENTRY NO. 1507

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5-10-89	Test No.: CM-M-192
Location: NORTH Quandrant of Cell at Elevation 4143 Tailings		Tested By: Eugene Valenzuela
A. Wet soil & container, g		755.9
B. Dry soil & container, g		741.7
C. Moisture loss, g (A-B)		14.2
D. Dry soil, g (B-E)		567.0
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		2.5 Pass/Fail
ptimum Moisture = 15.0%/ -12.5 % of optimum moisture Comments:		Checked By: Steve Dve

Job: 3050/Green River	Date: 5-10-89	Test No.: CM-M-193	
Location: EAST Quandrant of Cell at Elevation 4143 Tailings		Tested By: [illegible]	
A. Wet soil & container, g		766.3	744.9
B. Dry soil & container, g		741.9	723.6
C. Moisture loss, g (A-B)		22.4	21.3
D. Dry soil, g (B-E)		567.2	548.9
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.9	3.9 Pass/Fail
ptimum Moisture = 15.0%/ -11.1 % of optimum moisture Comments:		Checked By: [illegible]	

SCALES USED GR-002

* One-point or four-point conducted (No. NA).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Silva 89
QA ENTRY NO. 1005

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-10-89	Test No.: CM-M- 194
Location: SOUTH Quandrant of Cell at Elevation ~~4143~~ SD 4144 5-10-89 Tailings		Tested By: Steve Dive
A. Wet soil & container, g		758.6
B. Dry soil & container, g		736.4
C. Moisture loss, g (A-B)		22.2
D. Dry soil, g (B-E)		561.7
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.0 Pass/Fail
Optimum Moisture = 16.0%/ -11.0 % of optimum moisture Comments:		Checked By: [signature]
Job: 3050/Green River	Date:	Test No.: CM-M-
Location: _____ Quandrant of Cell at Elevation _____		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)	N/A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture ($\frac{C}{D}$ x 100)		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR
QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. 1014

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-11-89	Test No.: CM-M-195
NORTH Quandrant of Cell at Elevation 4144 Location: Tailings		Tested By [illegible]
A. Wet soil & container, g		microwave 755.7
B. Dry soil & container, g		734.6
C. Moisture loss, g (A-B)		21.1
D. Dry soil, g (B-E)		~~574.8~~ 559.8
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		3.8 Pass/Fail
Optimum Moisture = 14.8%/ -11.0 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-11-89	Test No.: CM-M-196
WEST Quandrant of Cell at Elevation 4144 Location: Tailings		Tested By [illegible]
A. Wet soil & container, g		micro 755.3 / oven 752.2
B. Dry soil & container, g		734.0 / 729.6
C. Moisture loss, g (A-B)		21.3 / 22.6
D. Dry soil, g (B-E)		559.2 / 554.9
E. Container, g		174.8 / 174.8
F. % Moisture $(\frac{C}{D} \times 100)$		3.8 / 4.1 Pass/Fail
Optimum Moisture = 14.8%/ -11.0 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-034).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-11-89	Test No.: CM-M-197
EAST Quandrant of Cell at Elevation 4144 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		759.4
B. Dry soil & container, g		728.1
C. Moisture loss, g (A-B)		31.3
D. Dry soil, g (B-E)		553.4 ~~+174.7~~ EAL 5-10-89
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.7 Pass/Fail
Optimum Moisture = 14.8%/ -9.1 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-11-89	Test No.: CM-M-198
SOUTH Quandrant of Cell at Elevation 4145 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		761.6
B. Dry soil & container, g		725.5
C. Moisture loss, g (A-B)		36.1
D. Dry soil, g (B-E)		550.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.6 Pass/Fail
Optimum Moisture = 14.8%/ -8.2 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED C.R - CC 2

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/11/89
QA ENTRY NO. 1016

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: SD 5-11-89 5/10/89	Test No.: CM-M- 199
TH + WEST Quandrant of Cell at Elevation 4145 Location: Tailings		Tested By: Eugene Feldman
A. Wet soil & container, g		765.8
B. Dry soil & container, g		741.3
C. Moisture loss, g (A-B)		SD 5-11-89 24.5
D. Dry soil, g (B-E)		566.6
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.3 (Pass)/Fail
Optimum Moisture = 14.8%/ -10.5 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-11-89	Test No.: CM-M-200
SOUTH Quandrant of Cell at Elevation 4146 Location: Tailings		Tested By: Eugene Feldman
A. Wet soil & container, g		micro 768.2 / oven 717.4
B. Dry soil & container, g		749.0 / 697.2
C. Moisture loss, g (A-B)		19.2 / 20.2
D. Dry soil, g (B-E)		574.3 / 522.5
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.3 / 3.9 (Pass)/Fail
Optimum Moisture = 14.8%/ -11.5 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/12/89
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev C	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/11/89	Test No.: CM-M-201
EST + NORTH Quandrant of Cell at Elevation ~~4145~~ SD 4146 5-11-89 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		770.0
B. Dry soil & container, g		763.3
C. Moisture loss, g (A-B)		6.7
D. Dry soil, g (B-E)		588.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		1.1 Pass/Fail
Optimum Moisture = 14.8% / -13.7 % of optimum moisture Comments:		Checked By: Steve Dike [illegible]

Job: 3050/Green River	Date: 5/11/89	Test No.: CM-M-202
SOUTH Quandrant of Cell at Elevation 4147 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		755.2
B. Dry soil & container, g		733.3
C. Moisture loss, g (A-B)		21.9
D. Dry soil, g (B-E)		558.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.9 Pass/Fail
Optimum Moisture = 14.8% / -10.9 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-CC2

* One-point or four-point conducted (No CM-1-035).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M-203
Location: EAST Quandrant of Cell at Elevation 4145 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 769.5
B. Dry soil & container, g		750.1
C. Moisture loss, g (A-B)		19.4
D. Dry soil, g (B-E)		575.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.4 (Pass)/Fail
Optimum Moisture = 14.8%/ -11.4 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M-204
Location: North + West Quandrant of Cell at Elevation 4147 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Microwave 756.8
B. Dry soil & container, g		739.8
C. Moisture loss, g (A-B)		17.0
D. Dry soil, g (B-E)		565.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.0 (Pass)/Fail
Optimum Moisture = 14.8%/ -11.8 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

ORIGINAL

MK-FERGUSON COMPANY
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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY
QA ENTRY NO.

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M-205	
West + North Quandrant of Cell at Elevation 4148 Location: Tailings		Tested By: Steve Dike	
A. Wet soil & container, g		Micro 767.8	Oven 770.8
B. Dry soil & container, g		739.3	740.8
C. Moisture loss, g (A-B)		28.5	30.0
D. Dry soil, g (B-E)		564.6	566.1
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.0	5.3 (Pass/Fail)
Optimum Moisture = 14.8%/ -9.8 % of optimum moisture Comments:		Checked By:	
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M-206	
SOUTH Quandrant of Cell at Elevation 4148 Location: Tailings		Tested By: Steve Dike	
A. Wet soil & container, g		770.2	
B. Dry soil & container, g		751.9	
C. Moisture loss, g (A-B)		18.3	
D. Dry soil, g (B-E)		577.2	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		3.2	(Pass/Fail)
Optimum Moisture = 14.8%/ -11.6% of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M- 207
North + West Quandrant of Cell at Elevation 4149 Location: [illegible]		Tested By: [illegible]
A. Wet soil & container, g		742.9
B. Dry soil & container, g		725.9
C. Moisture loss, g (A-B)		17.0
D. Dry soil, g (B-E)		557.2
E. Container, g		[illegible]
F. % Moisture $(\frac{C}{D} \times 100)$		3.1 Pass/Fail
Optimum Moisture = 15.0% / -11.9 % of optimum moisture Comments: ONE-POINT CONDUCTED (CM-1-057)		Checked By: [illegible]
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M- 208
EAST Quandrant of Cell at Elevation 4146 Location: [illegible]		Tested By: [illegible]
A. Wet soil & container, g		752.3
B. Dry soil & container, g		733.8
C. Moisture loss, g (A-B)		18.5
D. Dry soil, g (B-E)		559.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		3.3 Pass/Fail
Optimum Moisture = 15.0% / -11.7 % of optimum moisture Comments:		Checked By: [illegible]

SCALES USED [illegible]

* One-point or four-point conducted (No. CM-[illegible]).

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

MK-FERGUSON COMPANY
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QA REVIEWED FOR QUALITY REQUIREMENTS
BY [illegible]
QA ENTRY NO. [illegible]

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-12-89	Test No.: CM-M- 209
Location: SOUTH Quandrant of Cell at Elevation 4149 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		763 3
B. Dry soil & container, g		738.0
C. Moisture loss, g (A-B)		25.3
D. Dry soil, g (B-E)		563.3
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.5 Pass/Fail
Optimum Moisture = 15.0% / -10.5% of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date:	Test No.: CM-M-
Location: Quandrant of Cell at Elevation		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g	N	
C. Moisture loss, g (A-B)	A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = / % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/16/89
QA ENTRY NO. 1035

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 210
EAST Quandrant of Cell at Elevation 4147 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 759.9
B. Dry soil & container, g		732.7
C. Moisture loss, g (A-B)		27.2
D. Dry soil, g (B-E)		558.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.9 Pass/Fail
Optimum Moisture = 15.0% -10.1 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 211
SOUTH Quandrant of Cell at Elevation 4150 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 764.0
B. Dry soil & container, g		732.1
C. Moisture loss, g (A-B)		31.9
D. Dry soil, g (B-E)		557.4
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.7 Pass/Fail
Optimum Moisture = 15.0% -9.3 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/16/89
QA ENTRY NO. 1036

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 212
Location: LOWER WEST Quandrant of Cell at Elevation ~~4149~~ SD 4150 5-15-89 TAILINGS		Tested By: [illegible]
A. Wet soil & container, g		microwave 735.8
B. Dry soil & container, g		709.5
C. Moisture loss, g (A-B)		27.3
D. Dry soil, g (B-E)		533.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.1 Pass/Fail
Optimum Moisture = 15.0 / -9.9 % of optimum moisture Comments:		Checked By: Steve Dike

Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 213
Location: SOUTH Quandrant of Cell at Elevation 4151 TAILINGS		Tested By: [illegible]
A. Wet soil & container, g		micro. 745.3 / oven 751.8
B. Dry soil & container, g		718.7 / 724.4
C. Moisture loss, g (A-B)		26.6 / 27.4
D. Dry soil, g (B-E)		544.0 / 549.7
E. Container, g		174.7 / 174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.9 / 5.0 Pass/Fail
* Optimum Moisture = 13.1 / -8.2 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED AR-002

* One-point or four-point conducted (No. ~~213~~ CM-1-038).

EAL 5-15-89

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/16/89
QA ENTRY NO. 1637

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 214
EAST Quandrant of Cell at Elevation 4148 Location: Tailings		Tested By: Eugene Adams
A. Wet soil & container, g		765.6
B. Dry soil & container, g		727.6
C. Moisture loss, g (A-B)		38.0
D. Dry soil, g (B-E)		552.9
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		6.9 Pass/Fail
Optimum Moisture = 15.1 / -6.2 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M- 215
SOUTH Quandrant of Cell at Elevation 4152 Location: Tailings		Tested By: Eugene Adams
A. Wet soil & container, g		732.7
B. Dry soil & container, g		707.1
C. Moisture loss, g (A-B)		25.6
D. Dry soil, g (B-E)		532.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.8 Pass/Fail
Optimum Moisture = 13.1% / -8.3 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL CONTRACT # 3050 GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/16/89
QA ENTRY NO. 1538

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M-216
Location: EAST Quandrant of Cell at Elevation 4149 Tailings		Tested By: [illegible]
A. Wet soil & container, g		micro 744.9
B. Dry soil & container, g		725.7
C. Moisture loss, g (A-B)		19.2
D. Dry soil, g (B-E)		551.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.5 Pass/Fail
Optimum Moisture = 13.1%/ -9.6 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M-217
EST + SOUTH Quandrant of Cell at Elevation 4153 Location:		Tested By: [illegible]
A. Wet soil & container, g		micro 772.5
B. Dry soil & container, g		743.5
C. Moisture loss, g (A-B)		29.0
D. Dry soil, g (B-E)		568.8
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.1 Pass/Fail
Optimum Moisture = 13.1%/ 8.0 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam Sikley
QA ENTRY NO. 1039

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M-218
EAST Quandrant of Cell at Elevation 4150 Location: Tailings		Tested By: [illegible]
		micro / oven
A. Wet soil & container, g		770.0 / 749.3
B. Dry soil & container, g		738.2 / 718.9
C. Moisture loss, g (A-B)		31.8 / 30.4
D. Dry soil, g (B-E)		563.5 / 544.2
E. Container, g		174.7 / 174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.6 / 5.6 Pass/Fail
Optimum Moisture = 13.3 / -7.7 % of optimum moisture Comments: (ONE POINT NO. CM-1-039 CONDUCTED)		Checked By: Steve Dike

Job: 3050/Green River	Date: 5/15/89	Test No.: CM-M-219
NORTH-WEST Quandrant of Cell at Elevation 4151 Location: Tailings		Tested By: [illegible]
		micro
A. Wet soil & container, g		784.3
B. Dry soil & container, g		760.6
C. Moisture loss, g (A-B)		23.7
D. Dry soil, g (B-E)		585.9
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.0 Pass/Fail
Optimum Moisture = 13.3 / -9.3 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-042).

MK-FERGUSON COMPANY
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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/17/89
QA ENTRY NO. 1042

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M-220
Location: North + East Quandrant of Cell at Elevation 4152 Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 736.0
B. Dry soil & container, g		715.0
C. Moisture loss, g (A-B)		21.0
D. Dry soil, g (B-E)		540.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.9 Pass/Fail
Optimum Moisture = 13.3 / -9.4 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M-221
Location: West + South Quandrant of Cell at Elevation 4154 Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 767.7
B. Dry soil & container, g		739.0
C. Moisture loss, g (A-B)		28.7
D. Dry soil, g (B-E)		564.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.1 Pass/Fail
Optimum Moisture = 13.3 / -8.2 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/17/89
QA ENTRY NO. 1043

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M- 222	
North + East Quandrant of Cell at Elevation 4153 Location: Tailings		Tested By [signature]	
		Micro	Oven
A. Wet soil & container, g		766.1	737.9
B. Dry soil & container, g		742.7	714.4
C. Moisture loss, g (A-B)		23.4	23.5
D. Dry soil, g (B-E)		568.0	539.7
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.1	4.4 (Pass) Fail
Optimum Moisture = 13.3 / -9.2 % of optimum moisture Comments:		Checked By: Steve Dike	
Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M- 223	
West + South Quandrant of Cell at Elevation 4155 Location: Tailings		Tested By [signature]	
		Micro	
A. Wet soil & container, g		758.8	
B. Dry soil & container, g		721.9	
C. Moisture loss, g (A-B)		36.9	
D. Dry soil, g (B-E)		547.2	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		6.7	(Pass) Fail
*Optimum Moisture = 13 ~~78~~ / -7.1 % of optimum moisture Comments: (ONE POINT NO CM-1-040 CONDUCTED) GRL 5/14/89		Checked By: Steve Dike	

SCALES USED CR-002

* One-point or four-point conducted (No. CM-1-040).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SOM 5/17/89
QA ENTRY NO. 1044

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M- 224
NORTH + EAST Quandrant of Cell at Elevation 4154 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 774.6
B. Dry soil & container, g		749.2
C. Moisture loss, g (A-B)		25.4
D. Dry soil, g (B-E)		574.5
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.4 Pass/Fail
Optimum Moisture = 13.8 / -9.4 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5/16/89	Test No.: CM-M- 225
West + South Quandrant of Cell at Elevation 4156 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 755.3
B. Dry soil & container, g		726.7
C. Moisture loss, g (A-B)		28.6
D. Dry soil, g (B-E)		SD 5-16-89 ~~552.0~~ 551.9
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.2 Pass/Fail
Optimum Moisture = 13.8 / -8.6 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED CR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/17/89
QA ENTRY NO. 1645

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-16-89	Test No.: CM-M- 226
Location: North + East Quandrant of Cell at Elevation 4155 Tailings		Tested By: [illegible]
A. Wet soil & container, g		Micro 756.7
B. Dry soil & container, g		726.2
C. Moisture loss, g (A-B)		30.5
D. Dry soil, g (B-E)		551.4
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.5 Pass/Fail
Optimum Moisture = 13.8% / -8.3 % of optimum moisture Comments:		Checked By: Steve Dike

Job: 3050/Green River	Date: 5-16-89	Test No.: CM-M- 227	
Location: West + South Quandrant of Cell at Elevation 4157 Tailings		Tested By: [illegible]	
A. Wet soil & container, g		Micro 760.9	Oven 734.5
B. Dry soil & container, g		725.3	702.9
C. Moisture loss, g (A-B)		35.6	31.6
D. Dry soil, g (B-E)		550.5	528.1
E. Container, g		174.8	174.8
F. % Moisture ($\frac{C}{D}$ x 100)		6.5	6.0 Pass/Fail
Optimum Moisture = 13.8% / -7.3 % of optimum moisture Comments:		Checked By: Steve Dike	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/17/89
QA ENTRY NO. 1046

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-16-89	Test No.: CM-M- 228
Location: North + East Quandrant of Cell at Elevation 4156 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Micro 761.0
B. Dry soil & container, g		731.5
C. Moisture loss, g (A-B)		29.5
D. Dry soil, g (B-E)		556.7
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.3 Pass/Fail
Optimum Moisture = 13.8%/ -8.5 % of optimum moisture Comments:		Checked By [signature]
Job: 3050/Green River	Date: 5-16-89	Test No.: CM-M-229
Location: North + East Quandrant of Cell at Elevation 4157 Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Micro 779.4
B. Dry soil & container, g		747.1
C. Moisture loss, g (A-B)		32.3
D. Dry soil, g (B-E)		572.3
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		5.6 Pass/Fail
Optimum Moisture = 13.8%/ -8.2 % of optimum moisture Comments:		Checked By [signature]

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/19/89
QA ENTRY NO. 1055

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/17/89	Test No.: CM-M-250
NSE+W Quandrant of Cell at Elevation 4158 Location: Tailings		Tested By: [signature]
A. Wet soil & container, g		microwave 755.9
B. Dry soil & container, g		713.0
C. Moisture loss, g (A-B)		42.9
D. Dry soil, g (B-E)		538.3
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		8.0 Pass/Fail
Optimum Moisture = 12.7% / -4.7 % of optimum moisture Comments: (ONE POINT CONDUCTED NO CM-1-041)		Checked By: Steve Dike EEC 5/17/89
Job: 3050/Green River	Date: 5/17/89	Test No.: CM-M-23~~0~~1
NSE+W Quandrant of Cell at Elevation 4159 Location: Tailings		Tested By: [signature]
A. Wet soil & container, g		micro 758.3 / oven 769.4
B. Dry soil & container, g		707.9 / 719.1
C. Moisture loss, g (A-B)		50.4 / 50.3
D. Dry soil, g (B-E)		533.2 / 544.4
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		9.5 / 9.2 Pass/Fail
Optimum Moisture = 12.7%/ -3.2 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED BR-002

* One-point or four-point conducted (No. CM-1-041).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sdm 5/18/89
QA ENTRY NO. 1053

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-17-89	Test No.: CM-M-232
N.S E+W Quandrant of Cell at Elevation 4160 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		microwave 763.3
B. Dry soil & container, g		722.5
C. Moisture loss, g (A-B)		40.8
D. Dry soil, g (B-E)		547.8
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		7.4 Pass/Fail
Optimum Moisture = 12.7%/ -5.3 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-17-89	Test No.: CM-M-233
N.S E+W Quandrant of Cell at Elevation 4161 Location: Tailings		Tested By: [illegible]
A. Wet soil & container, g		776.8
B. Dry soil & container, g		743.4
C. Moisture loss, g (A-B)		33.4
D. Dry soil, g (B-E)		568.7
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.9 Pass/Fail
Optimum Moisture = 12.7%/ -6.8 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GP-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/18/89
QA ENTRY NO. 1054

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5/17/89	Test No.: CM-M- 234	
N.S.E+W Quandrant of Cell at Elevation 4162 Location: Tailings		Tested By: Eugene Holman	
A. Wet soil & container, g		wet 772.7	dry 752.5
B. Dry soil & container, g		737.8	715.4
C. Moisture loss, g (A-B)		34.9	37.1
D. Dry soil, g (B-E)		563.1	540.7
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		6.2	6.9 (Pass/Fail)
Optimum Moisture = 12.7%/ -6.5 % of optimum moisture Comments:		Checked By: Steve Dibe	

Job: 3050/Green River	Date: 5/17/89	Test No.: CM-M-235
N S E+W Quandrant of Cell at Elevation 4163 Location: Tailings		Tested By: Eugene Holman
A. Wet soil & container, g		770.8
B. Dry soil & container, g		726.7
C. Moisture loss, g (A-B)		44.1
D. Dry soil, g (B-E)		552.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		8.0 (Pass/Fail)
Optimum Moisture = 15.0%/ -7.0 % of optimum moisture Comments: ONE-POINT CONDUCTED (CM-1-042)		Checked By: Steve Dibe

SCALES USED ER-002

* One-point or four-point conducted (No. CM-1-042).

ORIGINAL

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/18/89
QA ENTRY NO. 1055

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-17-89	Test No.: CM-M- 236
Location: NSE+W Quandrant of Cell at Elevation 4164 Tailings		Tested By: [illegible]
A. Wet soil & container, g		771.4
B. Dry soil & container, g		740.3
C. Moisture loss, g (A-B)		31.1
D. Dry soil, g (B-E)		565.6
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.5 Pass/Fail
Optimum Moisture = 15.0% / -9.5 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-17-89	Test No.: CM-M- 237
Location: NSE+W Quandrant of Cell at Elevation 4165 Tailings		Tested By: Eugene [illegible]
A. Wet soil & container, g		756.5
B. Dry soil & container, g		726.1
C. Moisture loss, g (A-B)		30.4
D. Dry soil, g (B-E)		551.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.5 Pass/Fail
Optimum Moisture = 15.0% / -9.5 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-EC2

* One-point or four-point conducted (No. N/A).

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Stm 5/19/89
QA ENTRY NO. 1666

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL

CONTRACT # 3050
GREEN RIVER, UTAH
MOISTURE CONTENT DETERMINATION

SPECIFICATION 02200 Rev 3		REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/18/89	Test No.: CM-M-238
NSE + W Quandrant of Cell at Elevation 4166 Location: Tailings		Tested By: [signature]
A. Wet soil & container, g		768.7
B. Dry soil & container, g		745.9
C. Moisture loss, g (A-B)		22.8
D. Dry soil, g (B-E)		571.2
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		4.0 Pass/Fail
Optimum Moisture = 15.0% / -11.0 % of optimum moisture Comments:		Checked By: Steve Dike

Job: 3050/Green River	Date: 5/18/89	Test No.: CM-M-239
NSE+W Quandrant of Cell at Elevation 4167 Location: Tailings		Tested By: [signature]
	WHERE	OVEN
A. Wet soil & container, g	768.5	763.9
B. Dry soil & container, g	739.5	733.6
C. Moisture loss, g (A-B)	29.0	30.3
D. Dry soil, g (B-E)	564.8	558.9
E. Container, g	174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$	5.1	5.4 Pass/Fail
Optimum Moisture = 15.0% / -9.9 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

MK-FERGUSON COMPANY
A MORRISON KNUDSEN COMPANY

ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY Sam 5/10/89
QA ENTRY NO. 1067

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/18/89	Test No.: CM-M-240
NSE+W Quandrant of Cell at Elevation 4168 Location: Tailings		Tested By: Esque Holman
A. Wet soil & container, g		Micro 769.1
B. Dry soil & container, g		737.7
C. Moisture loss, g (A-B)		31.4
D. Dry soil, g (B-E)		563.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.6 (Pass/Fail)
*Optimum Moisture = 14.8%/ -9.2 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-241
NSE+W Quandrant of Cell at Elevation 4169 Location: Tailings		Tested By: Esque Holman
A. Wet soil & container, g		Micro 796.3
B. Dry soil & container, g		755.7
C. Moisture loss, g (A-B)		40.6
D. Dry soil, g (B-E)		581.0
E. Container, g		174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.0 (Pass/Fail)
Optimum Moisture = 14.8%/ -7.8 % of optimum moisture Comments:		Checked By: Esque Holman

SCALES USED GR-002

* One-point or four-point conducted (No. CM-1-043).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/19/89
QA ENTRY NO. 1068

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-242
NSE+W Quandrant of Cell at Elevation 4170 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Micro 774.3
B. Dry soil & container, g		745.8
C. Moisture loss, g (A-B)		28.5
D. Dry soil, g (B-E)		571.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.0 (Pass/Fail)
Optimum Moisture = 14.8%/ -9.8 % of optimum moisture Comments:		Checked By [signature]

Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-243	
NSE+W Quandrant of Cell at Elevation 4171 Location: Tailings		Tested By: Steve Dike	
A. Wet soil & container, g		Micro 783.5	Oven 749.7
B. Dry soil & container, g		750.9	SD 5-18-89 716.8
C. Moisture loss, g (A-B)		32.6	32.9
D. Dry soil, g (B-E)		576.2	542.1
E. Container, g		174.7	174.7
F. % Moisture $(\frac{C}{D} \times 100)$		5.7	6.1 (Pass/Fail)
Optimum Moisture = 14.8%/ -9.1 % of optimum moisture Comments:		Checked By [signature]	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/19/89.
QA ENTRY NO. 1069

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-244
NSE+W Quandrant of Cell at Elevation 4172 Location: Tailings		Tested By: Steve Dike
A. Wet soil & container, g		Micro 794.7
B. Dry soil & container, g		759.6
C. Moisture loss, g (A-B)		35.1
D. Dry soil, g (B-E)		584.8
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		6.0 Pass/Fail
Optimum Moisture = 14.8%/ -8.8 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-245
NSE+W Quandrant of Cell at Elevation 4173 Location: Tailings/Subgrade soils		Tested By: Steve Dike
A. Wet soil & container, g		Micro 743.1
B. Dry soil & container, g		702.1
C. Moisture loss, g (A-B)		41.0
D. Dry soil, g (B-E)		527.4
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		7.8 Pass/Fail
*Optimum Moisture = 9.4 / -1.6 % of optimum moisture Comments: (SEE RETEST NO. CM-M-245-R1)		Checked By: [illegible]

SCALES USED GR-002

* One-point or four-point conducted (No. CM-4-044).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/19/89
QA ENTRY NO. 1070

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-245-R1
N,S,E+W Quandrant of Cell at Elevation 4173 Location: Tailings/Subgrade soils		Tested By: Steve Dike
A. Wet soil & container, g		761.2
B. Dry soil & container, g		729.6
C. Moisture loss, g (A-B)		31.6
D. Dry soil, g (B-E)		554.8
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		5.7 Pass/Fail
Optimum Moisture = 9.4 / -3.7 % of optimum moisture Comments:		Checked By: [signature]
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M-246
N,S,E+W Quandrant of Cell at Elevation 4174 Location: Tailings/Subgrade soils		Tested By: Steve Dike
A. Wet soil & container, g		778.0
B. Dry soil & container, g		743.9
C. Moisture loss, g (A-B)		34.1
D. Dry soil, g (B-E)		569.2
E. Container, g		174.8
F. % Moisture ($\frac{C}{D}$ x 100)		6.0 Pass/Fail
Optimum Moisture = 9.4 / -3.4 % of optimum moisture Comments:		Checked By: [signature]

SCALES USED 6R-002

* One-point or four-point conducted (No. N/A).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/19/89
QA ENTRY NO. 1071

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5-18-89	Test No.: CM-M- 247
NSE+W Quandrant of Cell at Elevation 4175 Location: Tailings / Subgrade soils		Tested By: Steve Dive
A. Wet soil & container, g		768.6
B. Dry soil & container, g		742.7
C. Moisture loss, g (A-B)		25.9
D. Dry soil, g (B-E)		567.9
E. Container, g		174.8
F. % Moisture $(\frac{C}{D} \times 100)$		4.6 Pass/Fail
Optimum Moisture = 9.4 / -4.8 % of optimum moisture Comments:		Checked By: [illegible]
Job: 3050/Green River	Date:	Test No.: CM-M-
_____ Quandrant of Cell at Elevation _____ Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g	N	
C. Moisture loss, g (A-B)	A	
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

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GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/22/89
QA ENTRY NO. 1078

SPECIFICATION 02200 Rev 3 "WINDBLOWN" TYPE MATERIAL	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/19/89	Test No.: CM-M- 248
North + West Quandrant of Cell at Elevation 4165-4175 Location: Material was placed on 5:1 slope for final contour		Tested By: [illegible]
		hi-ero / oven
A. Wet soil & container, g		763.5 / 794.3
B. Dry soil & container, g		731.5 / 763.1
C. Moisture loss, g (A-B)		32.0 / 31.2
D. Dry soil, g (B-E)		556.8 / 588.4
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		5.7 / 5.3 Pass/Fail
Optimum Moisture = 12.5 / -6.8 % of optimum moisture Comments: (ONE-POINT CONDUCTED CM-1-044)		Checked By: Steve Dike

Job: 3050/Green River	Date: 5/19/89	Test No.: CM-M-249
North + East Quandrant of Cell at Elevation 4165-4175 Location: Material was placed on 5:1 slope for final contour "WINDBLOWN" TYPE		Tested By: [illegible]
		hi-ero / oven
A. Wet soil & container, g		762.3 / 745.9
B. Dry soil & container, g		744.2 / 726.3
C. Moisture loss, g (A-B)		18.1 / 19.6
D. Dry soil, g (B-E)		569.5 / 551.6
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.2 / 3.6 Pass/Fail
Optimum Moisture = 12.5 / -9.3 % of optimum moisture Comments:		Checked By: Steve Dike

SCALES USED BR-002

* One-point or four-point conducted (No. CM-1-044).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/23/89.
QA ENTRY NO. 1091

16.3

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture

Job: 3050/Green River	Date: 5-22-89	Test No.: CM-M- 250	
N S E & W Quandrant of Cell at Elevation 4165-4175 Location: Windblown		Tested By: [signature]	
		micro	oven
A. Wet soil & container, g		741.5	752.2
B. Dry soil & container, g		702.0	710.2
C. Moisture loss, g (A-B)		39.5	42.0
D. Dry soil, g (B-E)		527.3	535.5
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		7.5	7.8 Pass/Fail
Optimum Moisture = 10.7% / -3.2 % of optimum moisture Comments: ONE-POINT CONDUCTED (CM-1-045)		Checked By: Steve Dike	
Job: 3050/Green River	Date: 5/22/89	Test No.: CM-M- 251	
N, S E & W Quandrant of Cell at Elevation 4165-4175 Location: Windblown		Tested By: [signature]	
A. Wet soil & container, g		748.9	
B. Dry soil & container, g		714.9	
C. Moisture loss, g (A-B)		34.0	
D. Dry soil, g (B-E)		540.2	
E. Container, g		174.7	
F. % Moisture ($\frac{C}{D}$ x 100)		6.3	Pass/Fail
Optimum Moisture = 10.7 / -4.4 % of optimum moisture Comments:		Checked By: Steve Dike	

SCALES USED GR-002

SD 5-22-89

* One-point or four-point conducted (No. ~~250~~ CM-1-045).

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ORIGINAL
CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/24/89
QA ENTRY NO. 1106

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/23/89	Test No.: CM-M-252
N.E, S + West Quandrant of Cell at Elevation 4165 - 4175 Location: Windldown		Tested By: [illegible]
A. Wet soil & container, g		MICROWAVE 762.0 / OVEN 768.1
B. Dry soil & container, g		737.5 / 744.0
C. Moisture loss, g (A-B)		24.5 / 24.1
D. Dry soil, g (B-E)		562.8 / 569.3
E. Container, g		174.7 / 174.7
F. % Moisture ($\frac{C}{D}$ x 100)		4.4 / 4.2 Pass/Fail
Optimum Moisture = 10.7 / -6.3 % of optimum moisture Comments:		Checked By: Steve Dike
Job: 3050/Green River	Date:	Test No.: CM-M-
_____ Quandrant of Cell at Elevation _____ Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)		
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture ($\frac{C}{D}$ x 100)		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/25/89
QA ENTRY NO. 112

SPECIFICATION 02200 Rev 3 — MOISTURE CONTENT DETERMINATION — Contaminated (Windblown)		REQUIREMENT 0% to -3% of Optimum Moisture
Job: 3050/Green River	Date: 5/24/89	Test No.: CM-M- 253
N, E, S, + West Quandrant of Cell at Elevation 4165 - 4175 Location: (Windblown)		Tested By: [signature]
A. Wet soil & container, g		oven 761.7
B. Dry soil & container, g		750.8
C. Moisture loss, g (A-B)		10.2
D. Dry soil, g (B-E)		576.1
E. Container, g		174.7
F. % Moisture $(\frac{C}{D} \times 100)$		1.8 SDM 5/24/89 Pass/Fail
Optimum Moisture = 10.7 / 88 % of optimum moisture Comments: 50 yard placement.		Checked By:
Job: 3050/Green River	Date:	Test No.: CM-M-
_____ Quandrant of Cell at Elevation _____ Location:		Tested By:
A. Wet soil & container, g		
B. Dry soil & container, g		
C. Moisture loss, g (A-B)		
D. Dry soil, g (B-E)		
E. Container, g		
F. % Moisture $(\frac{C}{D} \times 100)$		Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:

SCALES USED 68-00/Z SDM 5/25/89

* One-point or four-point conducted (No. N/A).

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CONTRACT # 3050
GREEN RIVER, UTAH

QA REVIEWED FOR QUALITY REQUIREMENTS
BY SDM 5/26/89
QA ENTRY NO. 1125

SPECIFICATION 02200 Rev 3	MOISTURE CONTENT DETERMINATION	REQUIREMENT 0% to -3% of Optimum Moisture	
Job: 3050/Green River	Date: 5-25-89	Test No.: CM-M-254	
Location: N.S.E + W Quandrant of Cell at Elevation 4165-4175 Windblown Contaminates		Tested By: Steve Dike	
A. Wet soil & container, g		Micro 765.5	Oven 767.2
B. Dry soil & container, g		746.9	746.5
C. Moisture loss, g (A-B)		18.6	20.7
D. Dry soil, g (B-E)		572.2	571.8
E. Container, g		174.7	174.7
F. % Moisture ($\frac{C}{D}$ x 100)		3.3	3.4
			Pass/Fail
Optimum Moisture = 10.7% / -7.4 % of optimum moisture Comments:		Checked By: [illegible]	

Job: 3050/Green River	Date:	Test No.: CM-M-	
Location: _____ Quandrant of Cell at Elevation _____		Tested By:	
A. Wet soil & container, g			
B. Dry soil & container, g	N		
C. Moisture loss, g (A-B)	A		
D. Dry soil, g (B-E)			
E. Container, g			
F. % Moisture ($\frac{C}{D}$ x 100)			
			Pass/Fail
Optimum Moisture = _____ / _____ % of optimum moisture Comments:		Checked By:	

SCALES USED GR-002

* One-point or four-point conducted (No. N/A).