APPENDIX H

NORM Survey Calibration Log Pilot Study No. 3



INSTRUMENT CHECK RECORD

ASCON PROJECT

METER MODEL: Wound Model >

PROBE MODEL: LUDLUM 44-2
CHECK SOURCE ID: D5940797

SERIAL NO: 104480
SERIAL NO: 104098
LAST CAL DATE: 6-13-03

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	45157 120		BACKGROUND	CHECK-SOURCE		
DATE	BATTERY OK	PHYSICAL OK	Counts	CHECK SOURCE Dydivn 1 CPS	COMMENTS	INITIALS
5-18-04	911_	OK_	15	450	ER	MILL
5-19-04	9h_	8m	14	450	OR	MNL
5-19-04	m	ou	1800	480	oa	mnc_
15-20-04	Mnc	ou	14	450	EU	OMK
		gu	,,/	450	90-	nun-
5-21-04	mu	gw_	/ 4	700	<i></i>	

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Instrument

SUNTRAC Services, Inc.

CERTIFICATE OF CALIBRATION

Customer: 12459

Mark Landress

	Manufacturer	<u> 1881</u>	Model Number	Serial Number
Serviced:	Ludlum	7	3	104480
Detector:	Ludlum		44-2	PR 104098

Meter Scale/Range		Distance Calibrated	Filter	Calculated Reading	Actual Reading	Unit	Correction Factor	
	x .1	****	PULSER	N	0.45	0.48	μR/hr	1.0
The same	x. 1		PULSER	N	1.85	1.88	μR/hr	
	x1		PULSER	N	4.5	4.8	$\mu R/hr$	1.0
	x 1		PULSER	N	18.5	18.5	μR/hr	
	x10		PULSER	N	45	45	μR/hr	1.0
	x10		540	N	185	185	μR/hr	
	x100		346	N	450	450	μR/hr	1.0
	x100		167	N	1900	1900	μR/hr	

Calibrated in accordance with Texas Radioactive Materials License Number L03062, and requirements of ANSI/NCSL Z540-1-1994; ANSI-N323A-1997; and CFR 35.51. NIST Traceable #97806.

Temperature: 79°F

Humidity: 42%

Altitude: 30inHG

Geotropism:

Calibration Source S/N: A280

Source Activity: 78.78 mCi.

Cs137: 25.03mR/hr.@100cm;<+/-5%

Pulser Utilized: Yes

Pulser Information: Ludlum Model 500 S/N 54670

Battery Check: OK

OP Volts: 850

Detector Position: Parallel

Check Source: No

Isotope: N/A

Isotope S/N:

μR/hr At Contact:

Technician Comments: The X 0.1, X 1, and the lower end of the X 10 ranges are calibrated electronically.

6/13/03

Date

12 months Interval

6/13/04 Due Date

1818 East Main Street

League City, TX 77573

Phone: (281) 338-2133

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