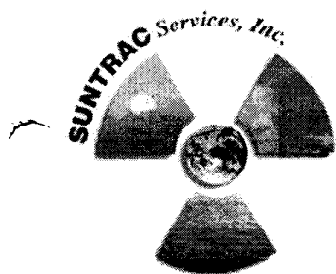


APPENDIX H

NORM Survey Calibration Log Pilot Study No. 3



SUNTRAC Services, Inc.

CERTIFICATE OF CALIBRATION

Customer: 12459
Mark Landress

| | | | |
|----------------------|---------------------|---------------------|----------------------|
| | <u>Manufacturer</u> | <u>Model Number</u> | <u>Serial Number</u> |
| Instrument Serviced: | Ludlum | 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 |
| x.1 | PULSER | N | 1.85 | 1.88 | μR/hr | |
| x1 | PULSER | N | 4.5 | 4.8 | μR/hr | 1.0 |
| x1 | 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/NC SL 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.

By Dan Payne 6/13/03
 _____ Date

12 months 6/13/04
 _____ _____
 Interval Due Date

1818 East Main Street
 League City, TX 77573

Phone: (281) 338-2133
 Fax: (281) 338-2136