

#### 4.0 SALT FOG

The total number of pages in  
this subsection is 3

ENVIRONMENT  
ASSOCIATES

|                                  |                                                   |                                              |
|----------------------------------|---------------------------------------------------|----------------------------------------------|
| DATE STARTED<br>7-10-03          | CUSTOMER<br>MICROWAVE MONOLITHIC                  | TECHNICIAN (SIGNATURE)<br><i>[Signature]</i> |
| DATA COMPLETED<br>7-15-03        | SPECIMEN DESCRIPTION<br>PERSONAL LOCATOR BEACON   | ENGINEER (SIGNATURE)<br><i>[Signature]</i>   |
| TEMPERATURE (LABORATORY)<br>75°F | TYPE OF TEST<br>SAF FOG                           | ENGINEER<br>Martin R. Batten                 |
| HUMIDITY (LABORATORY)<br>45%     | TEST SPECIFICATION<br>RTCM PAPER 76-2402/5/10 STD | JOB NUMBER<br>23283-071447                   |
| SPECIMEN NUMBER<br>MBT 040600    | SN 263<br>MBT 040600 GP                           | SN: 264                                      |

|        |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7-10   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 060700 | SAMPLES PLACED INTO CHAMBER AT 7:50                                                                                                                                                                                                                                                                                                                                                                                         |
| 7-11   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 060730 | SAMPLE PLACED INTO ALREADY CONDENSED + RUNNING SALT FOG CHAMBER. PHOTO TAKEN. INITIATING 1ST 48 HR PERIOD OF SALT FOG EXPOSURE. FOLLOWING 1ST 48 HR PERIOD: SAMPLED TO BE REMOVED FROM CHAMBER AND BE ALLOWED TO DRY FOR 24 HRS. BEFORE AMBIENT TEMP (+20°C ± 5°C.) THEN REPLACED IN SALT FOG CHAMBER FOR 12 ADDITIONAL HOURS. BEFORE BEING REMOVED FOR AN ADDITIONAL 12 HRS OF DRYING. (48 HRS IN, 24 OUT, 12 IN, 12 OUT.) |
| 7-12   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 060750 | MEASUREMENTS TAKEN AND ARE WITHIN ALLOWABLE TOLERANCES                                                                                                                                                                                                                                                                                                                                                                      |
| 7-13   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 060740 | 1ST 48 HRS COMPLETED. REMOVED SAMPLES FROM CHAMBER AT 0730. MEASUREMENTS TAKEN. OPERATIONS OK. BEGINNING 24 HR DRYING..                                                                                                                                                                                                                                                                                                     |
| 7-14   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 060740 | SAMPLES REPLACED INTO CHAMBER. FOR FURTHER 12 HR EXPOSURE TO 5% FOG.                                                                                                                                                                                                                                                                                                                                                        |
| 1940   | REQUIRED EXPOSURE COMPLETED. REMOVING SAMPLES FROM CHAMBER.                                                                                                                                                                                                                                                                                                                                                                 |
| 7-15   |                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 0800   | 12 HRS OF DRYING COMPLETED. NO VISIBLE DAMAGE TO SAMPLES NOTED. TEST COMPLETED.                                                                                                                                                                                                                                                                                                                                             |

## SALT SPRAY DATA SHEET

## TEST SETUP

CUSTOMER MICROWAVE MONOLITHICS JOB NO. 23283-0714447 DATE 7-11-03  
 SPECIMEN PERSONAL LOCATOR BENCH PART NO. MT040600 SERIAL NO. 263  
 SPECIFICATION NO. RICM PAPER 76-2002-1210-5 REV. NO. — PARAGRAPH NO. A5.0  
 PREPARATION OF SPECIMENS CUSTOMER PREPARED  
 PROTECTIVE COATING OR COVERING FOR NON-TESTED PARTS —  
 VENTS, PORTS, CONNECTORS CAPPED: Yes — No — COMMENT: —  
 SUPPORT METHOD FIBERGLASS BAR ORIENTATION OF SPECIMENS CENTER OF CHAMBER  
 SOLUTION: SALT 5 % H<sub>2</sub>O 95 % (by weight) pH 7.0 AT 95 °F CHAMBER TEMPERATURE 95 °F  
 SPECIFIC GRAVITY 1.031 AT 95 °F WATER COLUMN TEMPERATURE 118 °F NOZZLE PRESSURE 115 PSIG

## TEST RECORD

| ELAPSED<br>TIME<br>(HOURS) | CHAMBER<br>TEMPERATURE<br>(°F) | SOLUTION<br>VOLUME<br>PER 80 CM <sup>2</sup><br>AREA<br>(ml/HR) | COLLECTED<br>SOLUTION<br>pH VALUE | COLLECTED<br>SOLUTION<br>SPECIFIC<br>GRAVITY                    | COLLECTED<br>SOLUTION<br>TEMPERATURE<br>(°F) |
|----------------------------|--------------------------------|-----------------------------------------------------------------|-----------------------------------|-----------------------------------------------------------------|----------------------------------------------|
| <u>24</u>                  | <u>95</u>                      | <u>1.3</u>                                                      | <u>7.0</u>                        | Meas. <u>1.025</u><br>Corr. <u>1.025</u><br>Actual <u>1.030</u> | <u>+88</u>                                   |
| <u>48</u>                  | <u>95</u>                      | <u>1.3</u>                                                      | <u>7.0</u>                        | Meas. <u>1.026</u><br>Corr. <u>1.025</u><br>Actual <u>1.031</u> | <u>+87</u>                                   |
| <u>60</u>                  | <u>95</u>                      | <u>0.7</u>                                                      | <u>7.0</u>                        | Meas. <u>1.024</u><br>Corr. <u>1.025</u><br>Actual <u>1.029</u> | <u>+87</u>                                   |
| <u>—</u>                   | <u>—</u>                       | <u>—</u>                                                        | <u>—</u>                          | Meas. <u>—</u><br>Corr. <u>—</u><br>Actual <u>—</u>             | <u>—</u>                                     |

STOP DATE AND TIME 7-14-03 AT 1940HRS TEST DURATION 60 HOURS

COMMENTS: —

RESULTS OF TEST: —

PHOTOGRAPH TAKEN: YES — NO ✓ TEST TECHNICIAN CGray

TEST ENGINEER Martin R. Butler INSPECTOR (CUST./GOV.) —