

10TH November 2005VM: kt
Our Ref: 810/6784R**Meriton Apartments Pty Ltd**
Level 5 & 6 'Museum Towers'
267-277 Castlereagh St,
SYDNEY NSW 2000
DX 1177 Sydney 2000*Attention: Stuart Gander*

Dear Stuart,

**RE: STRAY CURRENT INTERFERENCE TESTING
PROPOSED DEVELOPMENT SITE
42 WALKER ST, RHODES. NOVEMBER 2005**

In accordance with instructions from Meriton Apartments Pty Ltd, Savcor ART Pty Ltd has undertaken stray current interference testing at the above location between the 9th and 10th of June 2005. The testing work was undertaken to ascertain the level of stray current interference produced by the nearby electrified railway system.

TEST PROCEDURE

In order to determine the level of rail interference, if any, is present the potentials of a number of buried metallic structures within the proposed development were monitored against reference electrodes over a 24 hour period using Waikura Data Loggers to record any changes in potential.

The four (4) structures monitored included the steel boundary fences at the North East and South East end of the site, an RSJ bridge structure at the Western end of the site and an abandoned light fitting at the South Western end of the site.

TEST RESULTS

Refer to the attachment for data logger test result charts.

DISCUSSION OF TEST RESULTS, CONCLUSIONS AND RECOMMENDATIONS

The four (4) charts show very low levels of stray rail traction currents are present at this location.

The two charts for the fence (0003 & 0006) are similar in appearance indicating that both sections are similarly affected by the rail activity. Potentials on these structures remain fairly constant during rail activity with potentials typically being affected + or - 20 to 40 mV at the northeast and south-east end of the site.

The chart for the RSJ bridge (0002) at the northwest end of the site shows potentials to be constant during rail activity with potentials being affected by less than + or - 20 mV.

The chart for the abandoned light fitting (0007) at the southwest end of the site indicates interference was also slight on this structure during the test period.

As the test results indicate there are some low levels of activity from stray rail traction currents on the four existing metallic structures tested it is possible that adverse effects may occur on the foundations and buried services of the new building. In order to mitigate any interference the following construction methods and materials are recommended:

1. Install a high quality waterproof membrane between the soil and reinforced concrete interface at all locations where the concrete is in direct contact with the surrounding soil or add waterproofing additive to the concrete.
2. The minimum cover of the concrete to the reinforcement shall be 60mm where the concrete is in contact with the soil.
3. Where practicable, make all steel reinforcement in the concrete footings, floor slabs and external block walls electrical continuous using standard tie wire construction.
4. Use high-pressure plastic pipe for all buried gas and water services.

We trust you find our report satisfactory. Should however, you have any queries or require clarification on any items, please do not hesitate to contact our office.

Yours faithfully,
SAVCOR ART PTY LTD

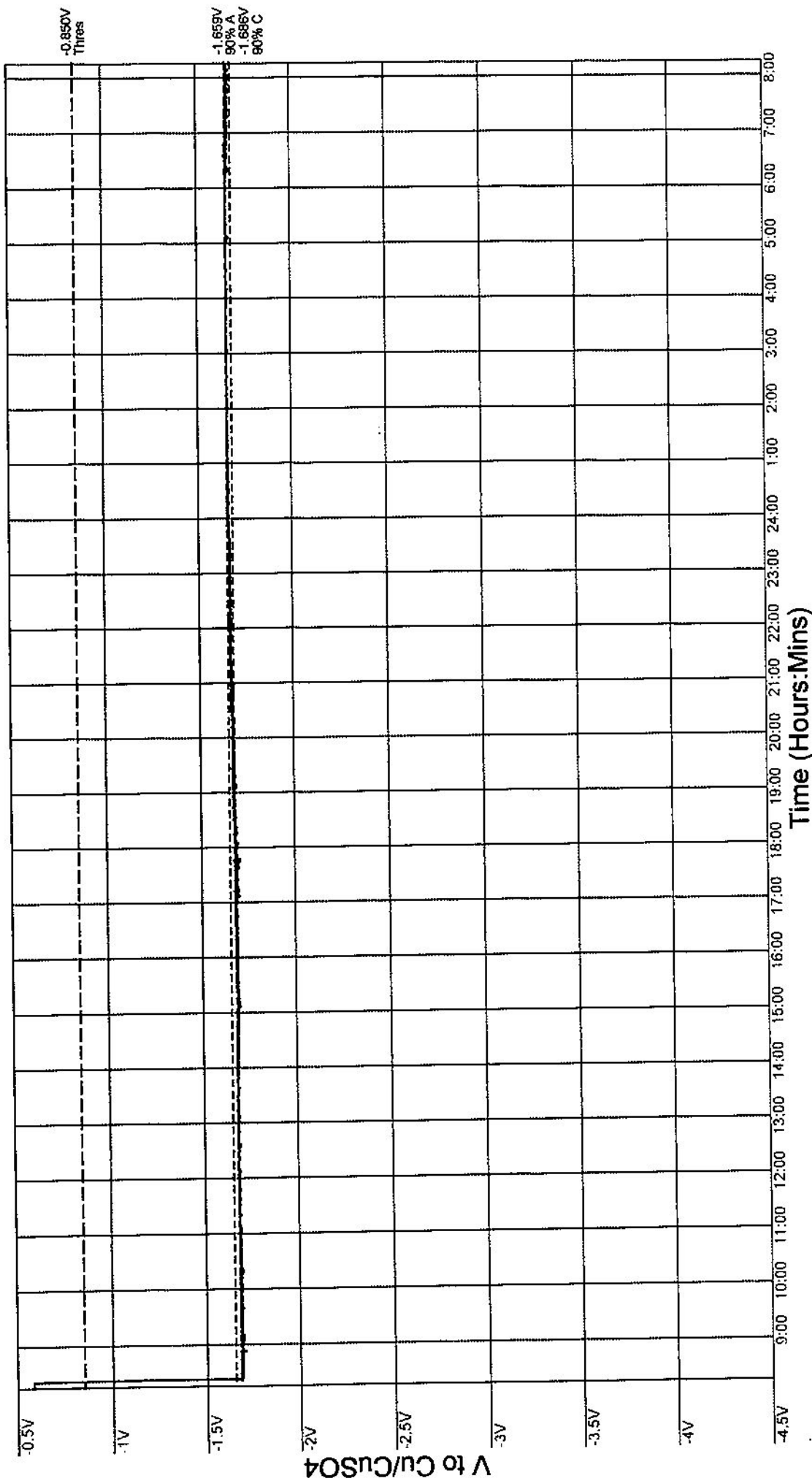


VIC McLEAN
NSW Operations Manager



SAVCOR ART PTY LTD AFR001/02/000504
 Advanced Rehabilitation Technology
 CORROSION MANAGEMENT DIVISION

MERITON APARTMENTS PTY LTD 42 WALKER STREET RHODES
 Site 0006 - 0Km : FENCE S/EAST END
 Start: 09/11/05 8:15:00 End: 10/11/05 8:15:00
 Waikura-128K-1A 7255 Channel 1



SAVCOR ART Pty Ltd

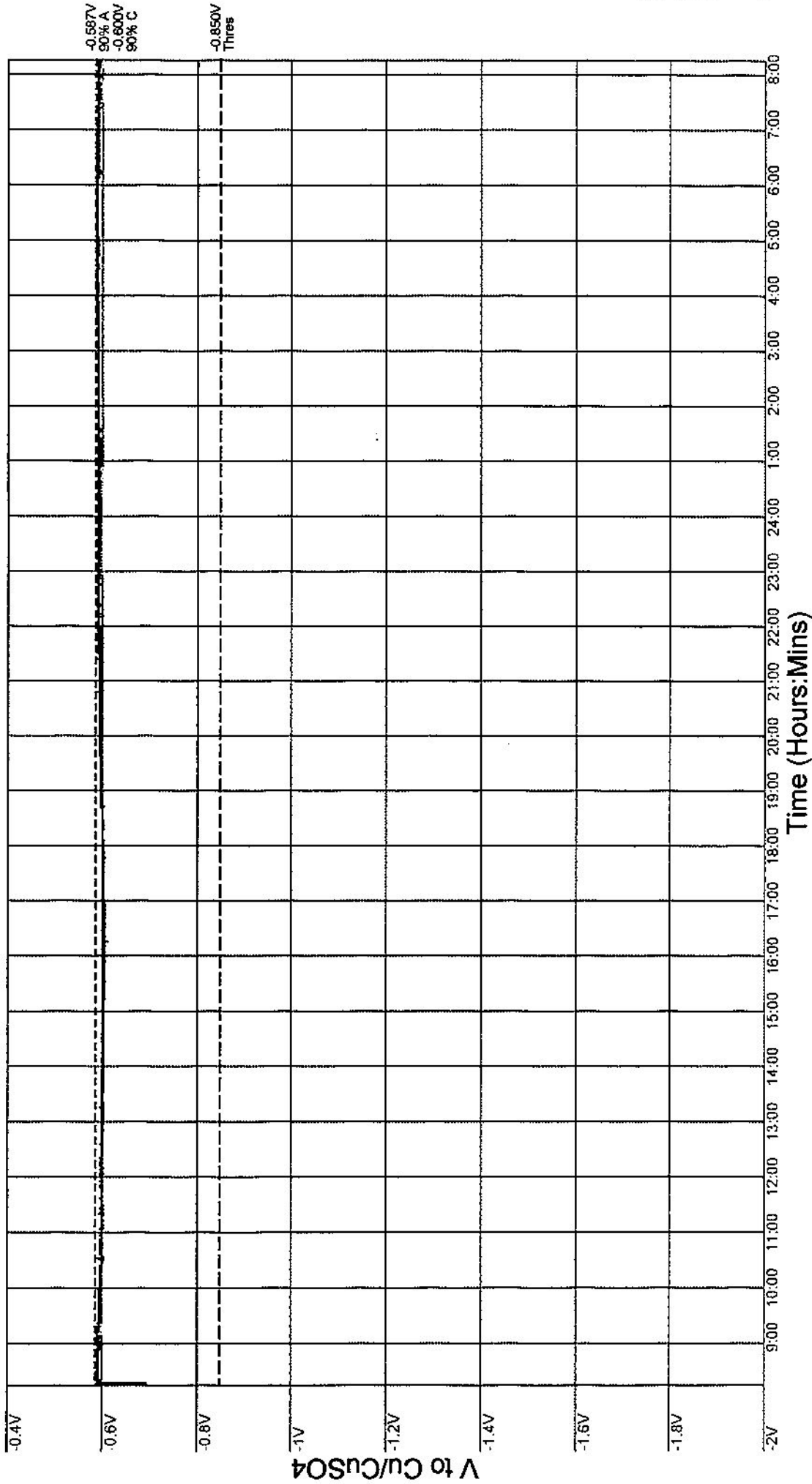
Standard	> Threshold	> Thres+50	> Thres+100	> Thres+850	Avg On	90% C	90% A	Min Neg (ON)	Avg OFF	Max Pos (ON)	Max Pos (OFF)
Actual	0.49%	0.49%	0.49%	0.00%	-1.670V	-1.686V	-1.659V	-1.711V	0.000V	-0.586V	0.000V
Allowable	LP 10%	SP 5%	SP 2%	SP 0.2%							



SAVCOR ART PTY LTD AINHOPE/ SUN 524
 Advanced Rehabilitation Technology
 CORROSION MANAGEMENT DIVISION

MERITON APARTMENTS PTY LTD 42 WALKER STREET RHODES
Site 0003 - 0Km : FENCE N/EAST END

Start: 09/11/05 8:15:00 End: 10/11/05 8:15:00
 Waikura-128K-1A 7266 Channel 1



Savcor ART Pty Ltd

Standard	> Threshold	> Threshold	> Thres+50	> Thres+100	> Thres+850
Actual	100.00%	100.00%	100.00%	100.00%	0.00%
Allowable	LP 10%	SP 5%	SP 2%	SP 1%	SP 0.2%

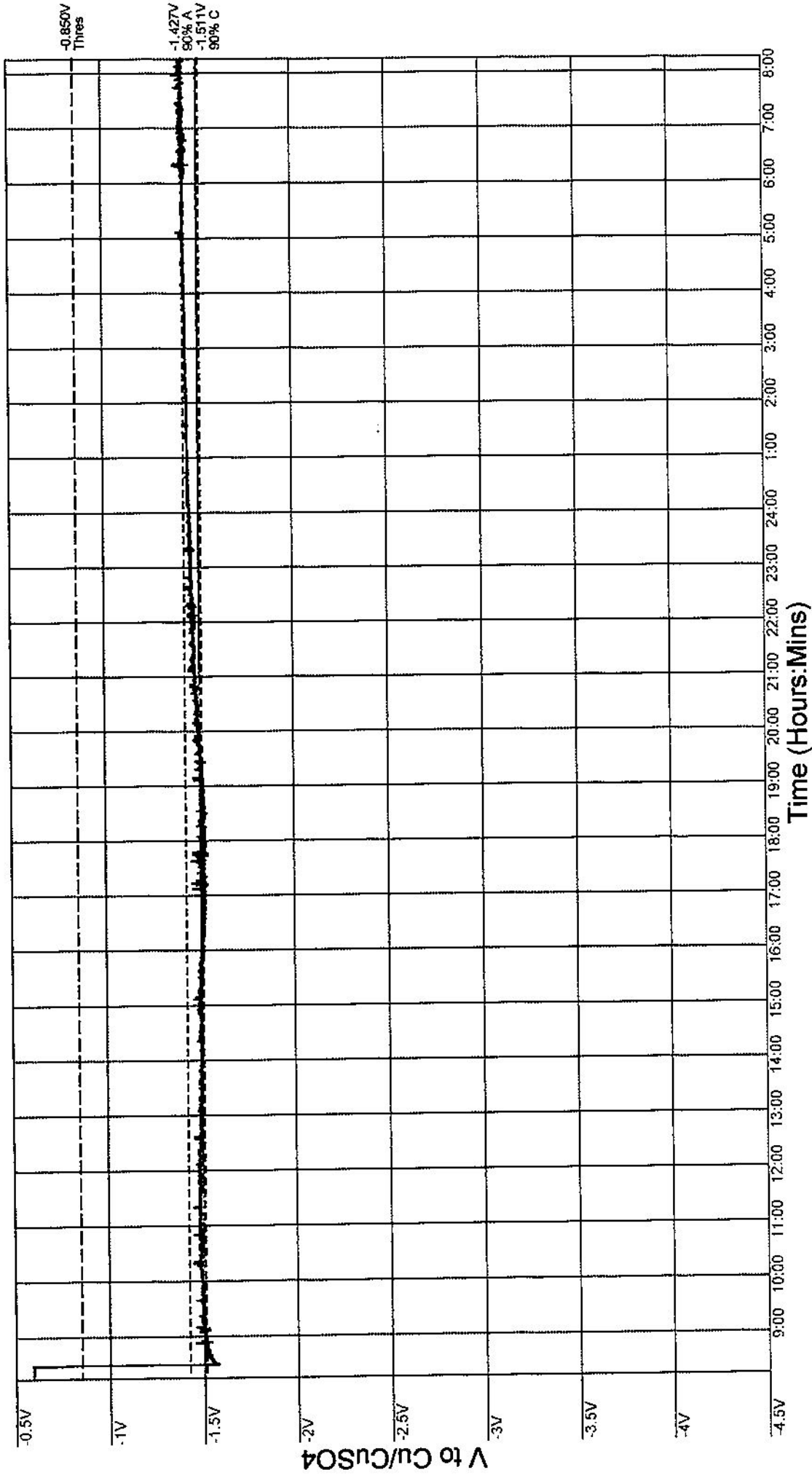
Avg On	90% C	90% A	Min Neg (ON)	Avg OFF	Max Pos (ON)	Max Pos (OFF)
-0.596V	-0.600V	-0.587V	-0.694V	0.000V	-0.587V	0.000V



SAVCOR ART PTY LTD AIM 193 097 505 524
 Advanced Rehabilitation Technology
 CORROSION MANAGEMENT DIVISION

MERITON APARTMENTS PTY LTD 42 WALKER STREET RHODES
Site 0007 - 0Km : ABANDONED LIGHT FITTING S/WEST END

Start: 09/11/05 8:15:00 End: 10/11/05 8:15:00
 Waikura-128K-1A 7269 Channel 1



SAVCOR ART Pty Ltd

Standard Allowable	> Threshold	> Threshold	> Thres+50	> Thres+100	> Thres+850
0.98%	0.98%	0.98%	0.98%	0.00%	
LP 10%	SP 5%	SP 2%	SP 1%	SP 0.2%	

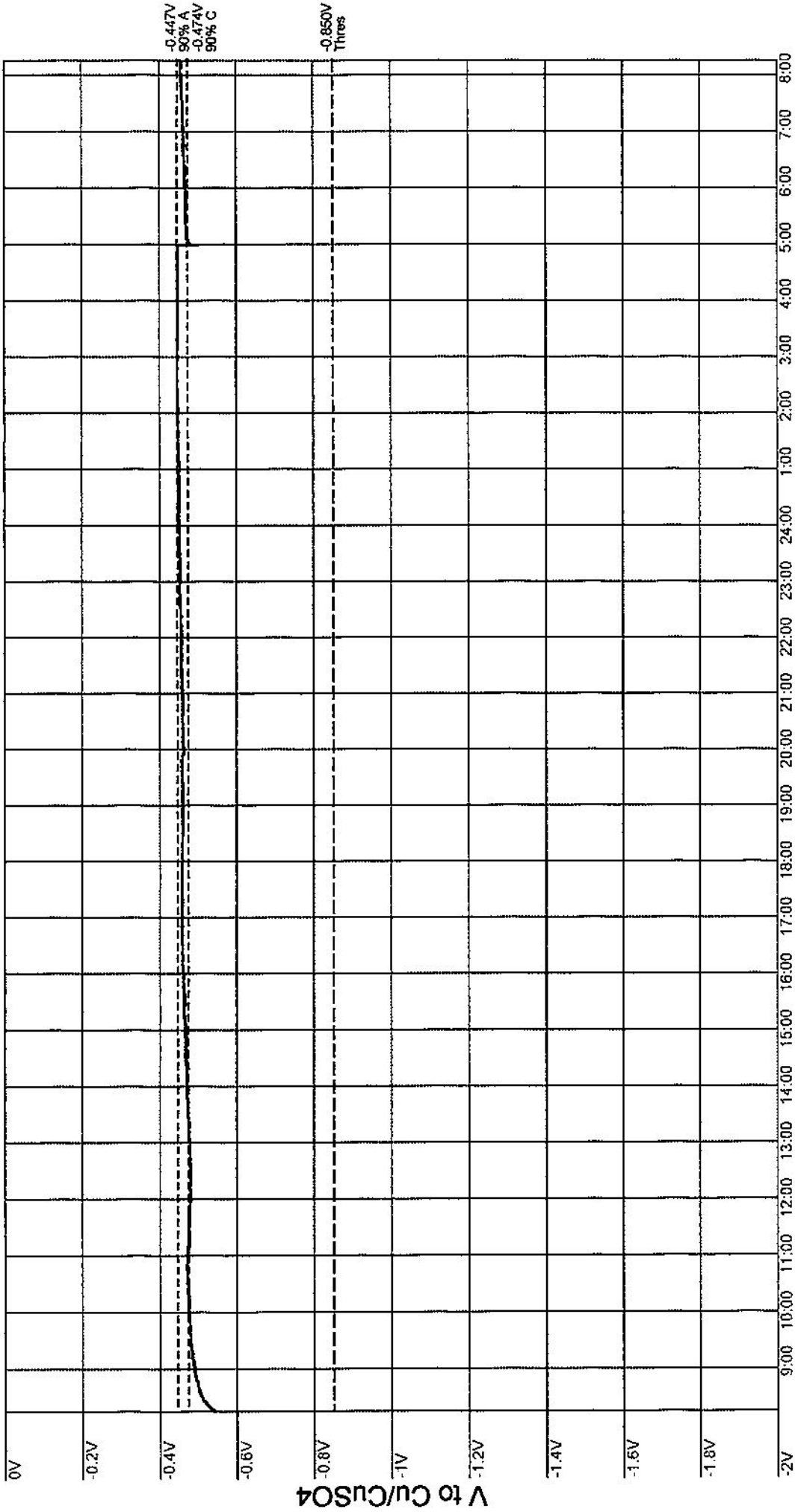
Avg On	90% C	90% A	Min Neg (ON)	Avg OFF	Max Pos (ON)	Max Pos (OFF)
-1.463V	-1.511V	-1.427V	-1.577V	0.000V	-0.592V	0.000V



SAVCOR ART PTY LTD AIRBONDING DIVISION
Advanced Rehabilitation Technology
CORROSION MANAGEMENT DIVISION

MERITON APARTMENTS PTY LTD 42 WALKER STREET RHODES
Site 0002 - 0Km : RSJ BRIDGE N/WEST END

Start: 09/11/05 8:15:00 End: 10/11/05 8:15:00
Waikura-128K-1A 7099 Channel 1



SAVCOR ART Pty Ltd

Time (Hours:Mins)

Standard	> Threshold	> Thres+50	> Thres+100	> Thres+850
Actual	100.00%	100.00%	100.00%	0.00%
Allowable	LP 10%	SP 2%	SP 1%	SP 0.2%

Avg On	90% C	90% A	Min Neg (ON)	Avg Off	Max Pos (ON)	Max Pos (OFF)
-0.462V	-0.474V	-0.447V	-0.545V	0.000V	-0.447V	0.000V