

<b>FIELD INSPECTION REPORT</b> Quality Control Form	ITP No.:		
	Inspection Gr.		
	Report No.		
	Date		
<b>INSPECTION TYPE</b>  <b>INSPECTION/TEST FOR CATHODIC SYSTEM</b> <b>MMO GRID (TANK)</b>	WORK No.		
	ITEM No.		
	LOCATION		
<b>SIGNATURE</b>			
INSPECTION NOTICE NO.:	COMPANY	CONTRACTOR	SUBCONTR
DRAWING NO(S):	/ /	/ /	/ /
ACCEPTANCE CRITERIA: AS PER VENDOR PROCEDURE			
Tested date:	Weather:		Temp. °C

INPECTION AND TEST REQUIREMENT	Unit	Acceptable Criteria	Measurement /Result Data	Remarks
<b>A. SITE INSTALLATION CHECK FOR HDPE LINER</b>				
1 Has HDPE Liner been installed	Yes/No	Required		
2 Before installation measure the Hydrant/Pipe Natural Potential w.r.t. Cu-CuSo4 Reference Electrode.	MV	-		
<b>B. SITE INSTALLATION CHECK FOR SAND (Band Layer between HDPE Liner and Anode)</b>				
1 Depth	mm	(+/-) 10 %		
2 Compaction	-	Required		
<b>C. SITE INSTALLATION CHECK FOR MMO RIBBON ANODE</b>				
1 Total Length of Ribbon Installed	m	See Note#1		
2 Total No.s of Ribbon rows	No.s	See Note#1		
3 Spacing between Ribbon to Ribbon	m	See Note#1		
4 Distance of Ribbon from Tank Wall	mm	25-75mm		
5 Depth of Ribbon from the Liner	mm	(+/-) 10 %		
6 Distance of Ribbon from Sump	mm	>150mm		
<b>D. SITE INSTALLATION CHECK FOR CONDUCTOR BAR</b>				
1 Total Length of Conductor Bar	m	See Note#1		
2 Total No. of Rows of Conductor Bar	No.s	See Note#1		
3 Spacing between the conductor Bars	m	See Note#2		
4 Is perpendicular center Conductor Bar in center point	-	Yes/No		
5 Spot Welder Voltage and Time Set for welding	Volts	Vendor spec		
6 Spot welder Time Set for welding	Sec.	Vendor spec		
7 Has continuity of at least 80% of the spot welds checked (Conductor to Conductor and Conductor to Anode)	Yes/No	<0.5 Ω		
<b>REMARKS:</b> Note: 1. As per dwg. (Min.) 2. As per dwg. (Max.)				

Legend NA.: Not Applicable

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INPECTION AND TEST REQUIREMENT	Unit	Acceptable Criteria	Measurement /Result Data	Remarks	
<b>A. SITE INSTALLATION CHECK FOR POWER FEEDS</b>					
1	Length of Cable:	P1/ Location	M	(+/-) 10%	
2		P2/Location	M	(+/-) 10%	
3		P3/ Location	M	(+/-) 10%	
4		P4/ Location	M	(+/-) 10%	
5		P5/ Location	M	(+/-) 10%	
6	Continuity of Power Feed Cable with Conductor Bar:	P 1	Ω	<0.5 Ω	
7		P 2	Ω	<0.5 Ω	
8		P 3	Ω	<0.5 Ω	
9		P 4	Ω	<0.5 Ω	
10		P 5	Ω	<0.5 Ω	
11	Continuity between individual Power Feed:	P 1 – P2	Ω	<0.5 Ω	
12		P 2 – P3	Ω	<0.5 Ω	
13		P 3 – P4	Ω	<0.5 Ω	
14		P 4 – P5	Ω	<0.5 Ω	
15		P 5 – P1	Ω	<0.5 Ω	
16	Spot Welder Voltage for welding power feeds.		Volts	Vendor spec	
17	Spot Welder Time Set for welding of power feeds.		Sec.	Vendor spec	
18	Has continuity of 100% of the spot welds checked		Ω	<0.5 Ω	
19	Has power feed connections been tagged		Yes/No	-	
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INPECTION AND TEST REQUIREMENT		Unit	Acceptable Criteria	Measurement /Result Data	Remarks
<b>A. SAND LAYER BETWEEN ANODE LEVEL AND REF. ELECTRODE LEVEL/ MONITORING PIPE LEVEL</b>					
1	Depth	mm	(+/-) 10%		
2	Compaction	-	Required		
<b>B. SITE INSTALLATION CHECK FOR REFERENCE ELECTRODES</b>					
1	Total No. of Reference Electrodes	-	See Note#1		
2	Has Reference Electrode wetted before installation	Yes/No	See Note#2		
3	Length of Reference Electrode R-1 / Location	M	(+/-) 10%		
4	Length of Reference Electrode R-2 / Location	M	(+/-) 10%		
5	Length of Reference Electrode R-3 / Location	M	(+/-) 10%		
6	Length of Reference Electrode R-4 / Location	M	(+/-) 10%		
7	Length of Reference Electrode R-5 / Location	M	(+/-) 10%		
8	Portable (Cu-CuSo4) Reference Cell Potential w.r.t. R-1 (Cu-CuSo4)	mV	(+/-)10%mV		
9	Portable (Cu-CuSo4) Reference Cell Potential w.r.t. R-1 (Zinc Ref.cell)	mV	>0900mV		
10	Portable (Cu-CuSo4) Reference Cell Potential w.r.t. R-2 (Cu-CuSo4)	mV	(+/-)10%mV		
11	Portable (Cu-CuSo4) Reference Cell Potential w.r.t. R-2 (Zinc Ref.cell)	mV	>0900mV		
12	Portable (Cu-CuSo4) Reference Cell Potential w.r.t. R-3 (Cu-CuSo4)	mV	(+/-)10%mV		
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<b>REMARKS:</b> Note: 1. As per dwg. (Min.) <span style="float: right;">2. As per dwg. (Max.)</span>					

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CONTRACTOR'S INSPECTOR:			
SUBCON.'S INSPECTOR:			
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INPECTION AND TEST REQUIREMENT	Unit	Acceptable Criteria	Measurement /Result Data	Remarks
---- front sheet continued ----				
13	Portable (Cu-CuSo4) Reference Cell Potential w.r.t.R-3 (Zinc Ref. Cell)	mV	>-900mV	
14	Portable (Cu-CuSo4) Reference Cell Potential w.r.t.R-4 (Cu-CuSo4)	mV	(+/-) 10%	
15	Portable (Cu-CuSo4) Reference Cell Potential w.r.t.R-4 (Zinc Ref. Cell)	mV	>-900mV	
16	Portable (Cu-CuSo4) Reference Cell Potential w.r.t.R-5 (Cu-CuSo4)	mV	(+/-) 10%	
17	Portable (Cu-CuSo4) Reference Cell Potential w.r.t.R-5 (Zinc Ref. Cell)	mV	>-900mV	
18	Reference Electrode connections been tagged	Yes/No	-	
<b>C. SITE INSTALLATION CHECK FOR MONITORING PIPE</b>				
1	Total Length of Monitoring Pipe	M	(+/-)5 %	
2	Length used	10/20feed	-	
3	Distance of Monitoring pipe from Tank Center (North)	M	See Note#1	
4	Did you use PVC cement for joining	Yes/No	-	
5	Has draw wire been installed	Yes/No	-	
6	Has End Caps and elbow been installed	Yes/No	-	
Note: 1. (+/-) 50mm from drawing				
<u>REMARKS:</u>				

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<b>A. SAND LEVEL BETWEEN REF. ELECTRODE LEVEL AND TANK BOTTOM PLATE LEVEL.</b>					
1	Depth	mm	(+/-) 10%		
2	Compaction	-	-		
<b>B. GENERAL CHECK</b>					
1	Has sand been properly laid	Yes/No	Required		
2	Angle (location) of exit for Power Feed / RE	-	as per dwg.		
3	Depth of Liner from Bottom Plate	mm	as per dwg.		
4	Is Sump Covered with HDPE Liner	Yes/No	as per dwg.		
5	Check Electrical discontinuity between Bottom Plate and Power Feed	-	No continuity		
<u>REMARKS:</u>					

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