Midwest Engineering and Testing, Inc.
geotechnical - environmental - materials engineers
501 Mercury Drive
Champaign, IL 61822-9649
217-359-2128
FAX 217-359-8446
www.metgeotech.com

February 4, 2022

Mr. Kevin Wagner
VP Engineering
Illinois Municipal Electric Agency
3400 Conifer Drive
Springfield, IL 62711

Re: Subsurface Exploration and Evaluation
Proposed Solar Array
East Plant Road
Marshall, Illinois
MET Project No. 213139 Addendum 1

Dear Mr. Wagner:

In accordance with our scope of work for the above referenced project, Midwest Engineering and Testing, Inc. (MET) obtained two (2) select soil samples at the above-referenced project site for corrosivity analysis. The samples were submitted to Midwest Laboratories in Omaha, Nebraska and were subject to the Corrosive to Pipes Soil Analysis testing which included analysis for oxidation reduction potential, sulfide, sulfates, chlorides, resistivity, and pH. The test results are included on the attached report submitted by Midwest Laboratories to MET.

MET appreciates the opportunity to be of service during this phase of the project. If there are any questions or comments you may have regarding the content of this report or if we may be of any further service, please contact us at your convenience.

Sincerely,

Midwest Engineering and Testing, Inc.

Nicholas D. Wendling, P.E.
Geotechnical Department Manager

Enclosures: Midwest Laboratories Soil Corrosivity Results

REPORT NUMBER
22-034-4122 v2

REPORT DATE
Feb 03, 2022

SEND TO
56513

RECEIVED DATE
Jan 27, 2022

Midwest Laboratories®
13611 B Street • Omaha, Nebraska 68144-3693 • (402) 334-7770
www.midwestlabs.com

ISSUE DATE
Feb 03, 2022

Midwest Engineering and Testin
Nicholas Wendling
501 Mercury Dr
Champaign IL 61822-9649

REPORT OF ANALYSIS

For: (56513) Midwest Engineering and Testin
Solar Photovoltaic Projects
Illinois Municipal Electric Agency

Analysis	Level Found As Received	Level Found Dry Weight	Units	Reporting Limit	Method	Analyst-Date	Verified-Date
Sample ID: **Marshall, B-4 2.5-4**	Lab Number: **70060181**	Date Sampled: **2022-01-21 1400**					
Oxidation reduction potential	280		mV	1	SM 2580 B-(2009) *	akn1-2022/02/01	jdb5-2022/02/02
Resistivity	604		ohm-cm	0.1	SM 2510 B-(1997)	jdb5-2022/02/02	jdb5-2022/02/02
Percent solids	80.7		%	0.01	SM 2540 G-(1997) *	Mmg9-2022/02/01	jdb5-2022/02/02
Sulfide qualitative	absent		n/a	n/a	Commission Analytical Reactions *	kfw9-2022/01/28	jdb5-2022/02/02
Chloride	87.0		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Sulfate	206		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Conductivity	1660		µS/cm	2	SM 2510 B-(1997)	akn1-2022/02/02	jdb5-2022/02/02
pH	5.26		S.U.	0.10	SM 4500-H+ B-(2011)	akn1-2022/02/02	jdb5-2022/02/02
Sample ID: **Marshall, B-5 5-6.5**	Lab Number: **70060182**	Date Sampled: **2022-01-21 1430**					
Oxidation reduction potential	250		mV	1	SM 2580 B-(2009) *	akn1-2022/02/01	jdb5-2022/02/02
Resistivity	801		ohm-cm	0.1	SM 2510 B-(1997)	jdb5-2022/02/02	jdb5-2022/02/02
Percent solids	82.2		%	0.01	SM 2540 G-(1997) *	Mmg9-2022/02/01	jdb5-2022/02/02
Sulfide qualitative	absent		n/a	n/a	Commission Analytical Reactions *	kfw9-2022/01/28	jdb5-2022/02/02
Chloride	86.1		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Sulfate	82.4		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Conductivity	1250		µS/cm	2	SM 2510 B-(1997)	jdb5-2022/02/02	jdb5-2022/02/02
pH	7.66		S.U.	0.10	SM 4500-H+ B-(2011)	akn1-2022/02/02	jdb5-2022/02/02

The result(s) issued on this report only reflect the analysis of the sample(s) submitted.

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For: (56513) Midwest Engineering and Testin
Solar Photovoltaic Projects
Illinois Municipal Electric Agency

Analysis	Level Found As Received	Level Found Dry Weight	Units	Reporting Limit	Method	Analyst-Date	Verified-Date

This report was reissued on 2022-02-03 14:34:47 by hlr3 for the following reason:
split report.

For questions please contact:

Heather Ramig
Senior Account Manager
hramig@midwestlabs.com (402)829-9891