



Midwest Engineering and Testing, Inc.
geotechnical - environmental - materials engineers
501 Mercury Drive
Champaign, IL 61822-9649
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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
Ace Road
Princeton, Illinois
MET Project No. 213128 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

**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		Reporting			Analyst- Date	Verified- Date
	As Received	Dry Weight	Units	Limit	Method		
Sample ID: Princeton, B-2 7.5-9 Lab Number: 70060177 Date Sampled: 2022-01-17 1000							
Oxidation reduction potential	303		mV	1	SM 2580 B-(2009) *	akn1-2022/02/01	jdb5-2022/02/02
Resistivity	732		ohm-cm	0.1	SM 2510 B-(1997)	jdb5-2022/02/02	jdb5-2022/02/02
Percent solids	87.9		%	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	39.7		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Sulfate	19.7		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Conductivity	1370		µS/cm	2	SM 2510 B-(1997)	akn1-2022/02/02	jdb5-2022/02/02
pH	6.26		S.U.	0.10	SM 4500-H+ B-(2011)	akn1-2022/02/02	jdb5-2022/02/02
Sample ID: Princeton, B-7 5-6.5 Lab Number: 70060178 Date Sampled: 2022-01-17 1030							
Oxidation reduction potential	301		mV	1	SM 2580 B-(2009) *	akn1-2022/02/01	jdb5-2022/02/02
Resistivity	736		ohm-cm	0.1	SM 2510 B-(1997)	jdb5-2022/02/02	jdb5-2022/02/02
Percent solids	82.4		%	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	43.6		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Sulfate	20.7		mg/L	5.0	EPA 300.0	jsa6-2022/02/01	mgn8-2022/02/02
Conductivity	1360		µS/cm	2	SM 2510 B-(1997)	akn1-2022/02/02	jdb5-2022/02/02
pH	7.87		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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REPORT NUMBER

22-033-4141 v2

REPORT DATE
Feb 03, 2022

SEND TO
56513

RECEIVED DATE
Jan 27, 2022



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ISSUE DATE
Feb 03, 2022

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	As Received	Dry Weight	Units	Limit	Method		

This report was reissued on 2022-02-03 14:33:31 by hlr3 for the following reason:
split report.

For questions please contact:

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

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