PROJECT NAVIGATOR, LTD.®

April 11, 2013

Ms. Holly Burke
State Cooperative Program/Remedial Section
Kansas Department of Health and Environment
1000 SW Jackson Street, Suite 410
Topeka, Kansas 66612-1367

RE: **Catchment Dike System Compliance Sampling Report March 2013**
National Zinc Smelter Site, Cherryvale, Kansas

Dear Ms. Burke,

On February 19, 2013 Project Navigator, Ltd. on behalf of United States Steel Corporation (USS) and Citigroup Global Market Holdings, Inc. (Respondents), completed an inspection of the Drum Creek Catchment Dike System (CDS) and collected three composite sediment samples for laboratory analysis as part of the agreed-upon bi-annual compliance monitoring. The work was performed by Philip Jen, P.G. and Mark Landress, P.G. of Project Navigator, Ltd.

Inspection and sampling of the Drum Creek Catchment is performed 2 times per year as part of the closure of the former National Zinc Smelter Site, in Cherryvale, Kansas. The results of the inspection, the sediment collection methodology and associated analytical results, including a comparison to the results of the samples taken during previous sampling events are provided in this letter report.

Inspection

The location of the CDS is provided in Figure 1. The catchment was observed to be in good condition and the upstream and downstream gabions were intact and well anchored to the banks. Water depth between the dikes was approximately 0.5 to 1 foot deep measured at the inside of the upstream catchment dike. Water flow was low at the time of inspection. Sediment accumulation between the dikes was minimal. Photos of the catchment are provided in Appendix 1.

Analytical Sampling and Results

The sampling locations and representative sediment photographs are depicted in Figures 2 and 3. Samples consisted of poorly sorted medium grained gravel, with minor sand and silt. Minor amounts of organic materials consisting of wood and leaf debris were observed in the sediment.

Samples were collected with a plastic retriever scoop, placed into clean 5 gallon buckets and homogenized prior to placement in 4 ounce sample jars provided by the laboratory. Samples were composites of sediment from random points across the area of

accumulation; to the extent the locations were accessible. Water present in the samples was slowly decanted from the sample container following collection. Samples contained minimal excess water. Sample containers were then sealed and packed into a cooler with ice for shipment to the laboratory for analysis.

The Respondents' samples were submitted to PACE Analytical Laboratory for analysis of cadmium, arsenic, lead and zinc. The laboratory was instructed to grind the entire sample prior to analyses. Results are compared to the consensus-based sediment quality guidelines developed for the site (CBG). Historical values for all samples collected by the Respondents are presented in Table 1. The laboratory reports for the current sampling events are included in Attachment 1.

The current sample results with a comparison with three previous sample events are shown below. Values above the CBG are in red font.

	Sample ID	Date	Arsenic (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Zinc (mg/kg)
Upstream	SD-20	March 2011	**38.6**	4.6	57.4	**500**
	SD-23	August 2011	20.3	< 2.7	44.5	**612**
	SD-26	March 2012	**78.3**	4.9	75.2	**766**
	SD-29	August 2012	20.8	3.6	45.6	**489**
	SD-32	February 2013	**44.6**	< 2.4	33.6	**538**
Midstream	SD-19	March 2011	31.9	**6.1**	36.4	343
	SD-22	August 2011	10	< 1.1	42.1	**596**
	SD-25	March 2012	5.9	< 0.55	13.7	41.3
	SD-28	August 2012	20	3.3	35.2	**463**
	SD-31	February 2013	28.3	**8.1**	**131**	**695**
Downstream	SD-18	March 2011	**47.2**	**6.1**	61.4	**475**
	SD-21	August 2011	12.1	< 0.89	13.3	280
	SD-24	March 2012	< 5.1	< 2.5	13.8	93.5
	SD-27	August 2012	20.7	3.7	50.7	**611**
	SD-30	February 2013	**46.8**	< 5.0	49.4	**589**
Consensus Based Guideline			***33***	***4.98***	***128***	***459***

Analytical Summary

Upstream: The concentration of zinc and arsenic was detected above the CBG in the upstream catchment segment while the cadmium and lead concentrations were detected below the CBG.

Between: The concentration of zinc, cadmium, and lead was detected above the CBG in the midstream catchment segment while the arsenic concentration was detected below the CBG.

Downstream: The concentration of zinc and arsenic was detected above the CBG in the downstream catchment segment while the cadmium and lead concentrations were detected below the CBG.

Analyses of all results show the average of all values are below the consensus-based sediment quality guidelines for the site and are displayed in Table 1.

The CDS appears to be functioning as designed to catch sediment traveling downstream in Drum Creek. We will continue to monitor the sediment accumulation as part of the periodic inspection and maintenance of the CDS.

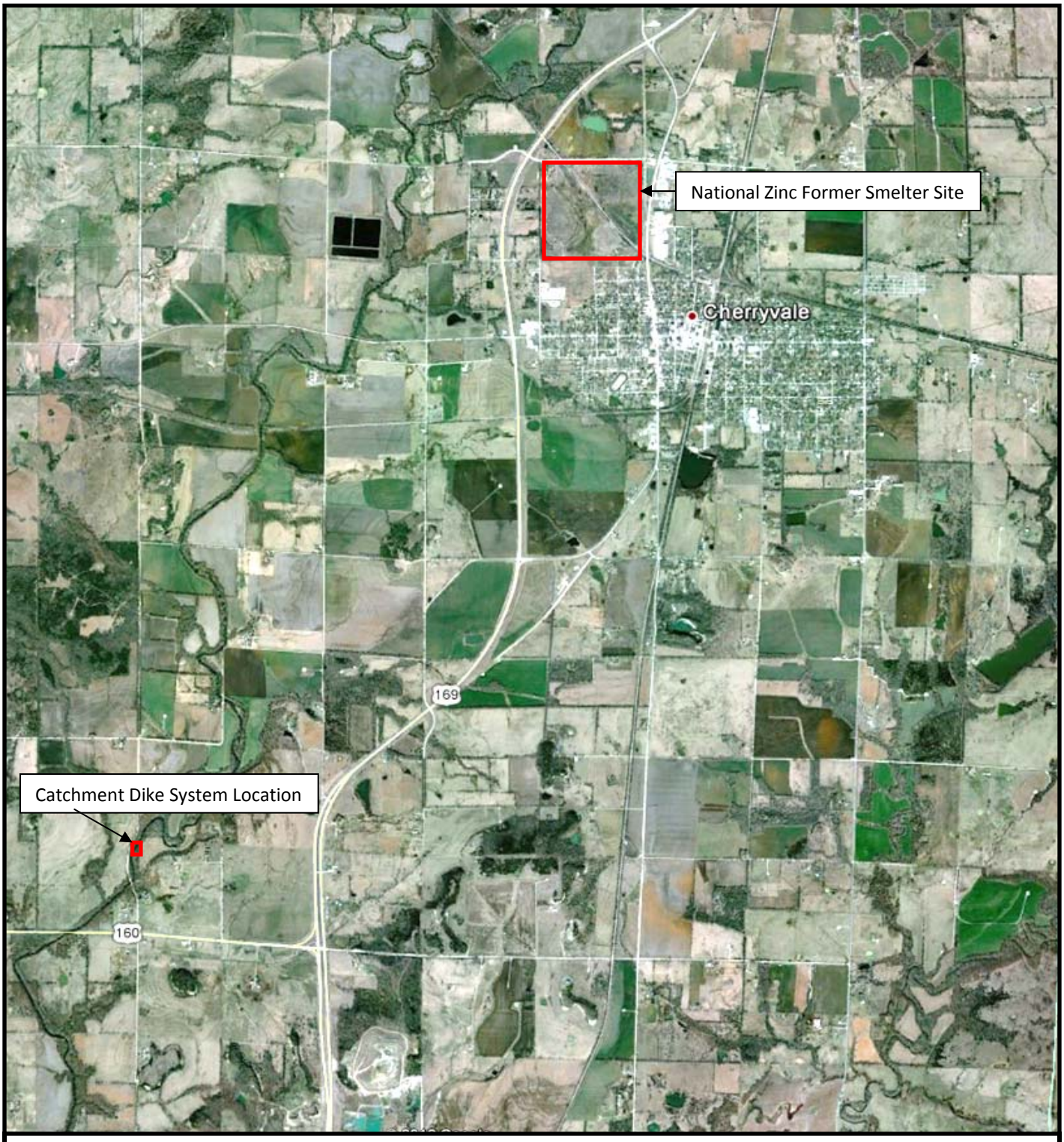
Sincerely,

Mark Landress P.G. Kansas Licensed Geologist No. 793
Project Navigator, Ltd.

Attachment

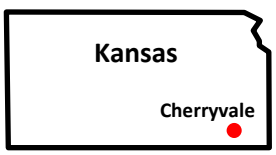
Cc: William C. Anderson, Doerner, Saunders, Daniel & Anderson, L.L.P.
Jeffrey L. Rey, United States Steel Corporation
Mark Rupnow, United States Steel Corporation
Andrew G. Thiros, United States Steel Corporation
Mike Stoub, ENTACT
Philip Jen, PNL

FIGURES



0 ft — 10,000 ft

N



Drum Creek Catchment Dike Sediment Sampling Cherryvale, KS

Figure 1. Location Map

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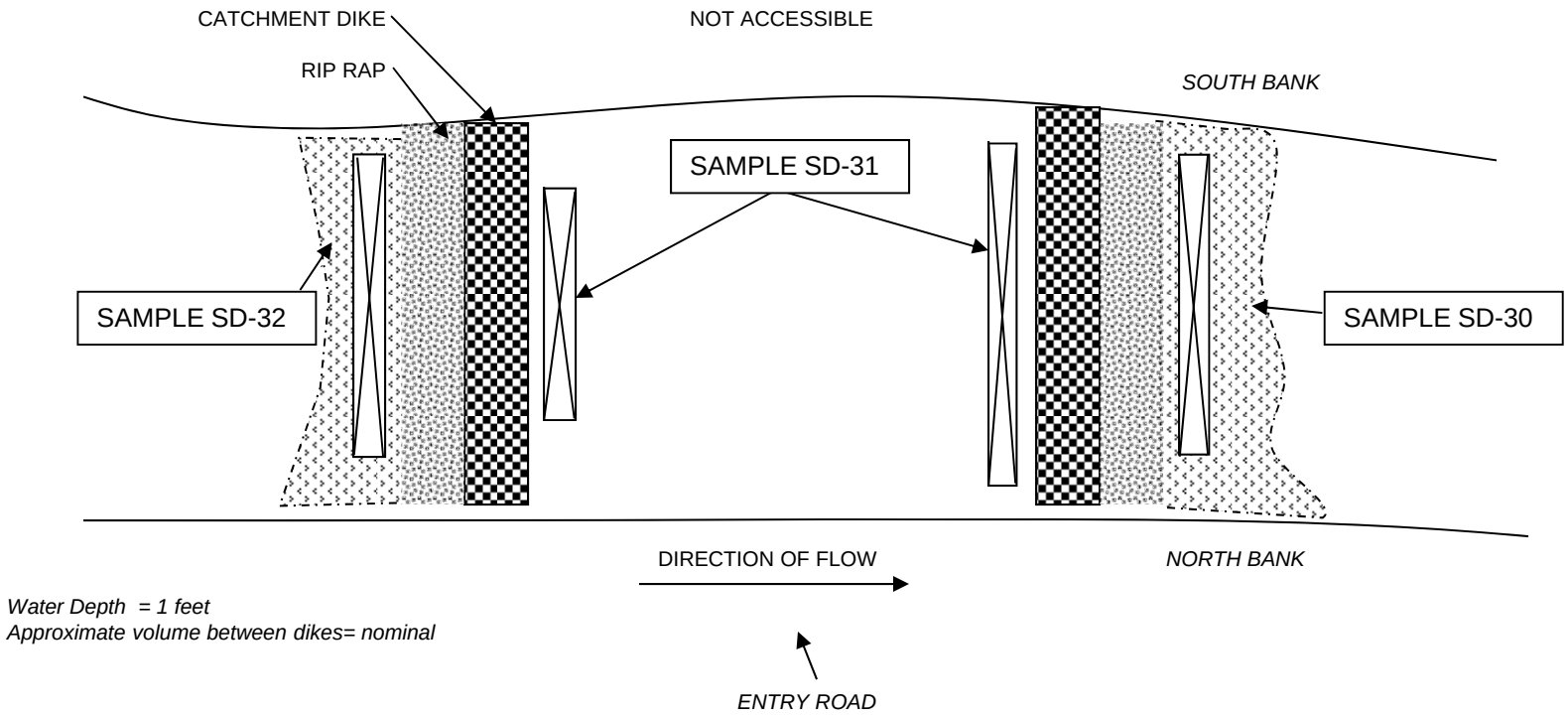
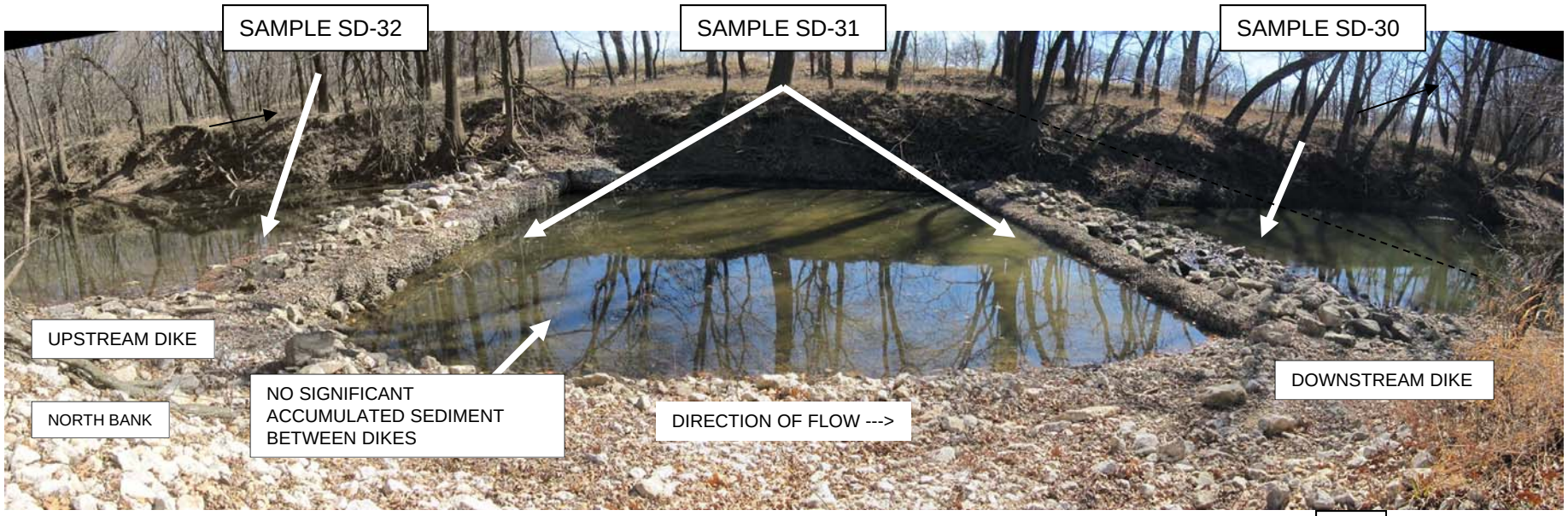
Figure 2
Drum Creek Catchment Sample Locations
February 2013

Schematic layout of sample locations and accumulated sediment, Drum Creek Catchment, Montgomery County, KS



Water Depth = 1 feet
Approximate volume between dikes= nominal

Figure 3
Drum Creek Catchment Sample Locations
February 2013



32

31

30

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TABLES

TABLE 1

Drum Creek Catchment Sediment Sample Result Summary
Former National Zinc Smelter Site
Cherryvale, Kansas
Respondent's Sampling

Consensus Based Result Limit (ppm)

33	4.98	128	459

Sample Location	Sample ID	Date	Arsenic	Cadmium	Lead	Zinc	Note
Upstream of Dikes	NS	8/1/2007					Not Sampled
Upstream of Dikes	NS	10/24/2007					Not Sampled
Upstream of Dikes	NS	2/14/2008					Not Sampled
Upstream of Dikes	SD-006-01	9/24/2008	17.5	2.2	23.3	332	Periodic Sample
Upstream of Dikes	SD-008	2/26/2009	**37.7**	0.94	42.4	**487**	Periodic Sample
Upstream of Dikes	SD-011	9/3/2009	**41.1**	**5**	54.6	**499**	Periodic Sample
Upstream of Dikes	SD-012	3/17/2010	27	2.8	62.4	**678**	Periodic Sample
Upstream of Dikes	SD-17	10/11/2010	**36.5**	*2.5*	55.6	**477.0**	Periodic Sample
Upstream of Dikes	SD-20	3/29/2011	**38.6**	4.6	57.4	**500.0**	Periodic Sample
Upstream of Dikes	SD-23	8/3/2011	20.3	*2.7*	44.5	**612**	Periodic Sample
Upstream of Dikes	SD-26	3/9/2012	**78.3**	4.9	75.2	**766**	Periodic Sample
Upstream of Dikes	SD-29	8/28/2012	20.8	3.6	45.6	**489**	Periodic Sample
Upstream of Dikes	SD-32	2/19/2013	**44.6**	ND	33.6	**538**	Periodic Sample

Sample Location	Sample ID	Date	Arsenic	Cadmium	Lead	Zinc	Note
Between Dikes	NS	8/1/2007					Not Sampled
Between Dikes	NS	10/24/2007					Not Sampled
Between Dikes	NS	2/14/2008					Not Sampled
Between Dikes	SD-005-01	9/24/2008	10	0.93	15.9	45.2	Periodic Sample
Between Dikes	NS	2/26/2009					Not Sampled
Between Dikes	SD-010	9/3/2009	28.4	**5.7**	34.9	376	Periodic Sample
Between Dikes	SD-013	3/17/2010	**35.1**	3.1	66.1	**695**	Periodic Sample
Between Dikes	SD-16	10/11/2010	26.2	*1.2*	24.4	273.0	Periodic Sample
Between Dikes	SD-19	3/29/2011	31.9	**6.1**	36.4	343.0	Periodic Sample
Between Dikes	SD-22	8/3/2011	10.0	*1.1*	42.1	**596**	Periodic Sample
Between Dikes	SD-25	3/9/2012	5.9	*0.55*	13.7	41.3	Periodic Sample
Between Dikes	SD-28	8/28/2012	20	3.3	35.2	**463**	Periodic Sample
Between Dikes	SD-31	2/19/2013	28.3	**8.1**	**131**	**695**	Periodic Sample

Sample Location	Sample ID	Date	Arsenic	Cadmium	Lead	Zinc	Note
Downstream of Dikes	SD-001	8/1/2007	9.9	2.1	15.4	155	Baseline
Downstream of Dikes	SD-002	10/24/2007	14	**5.6**	35.1	**508**	Initial post remedial
Downstream of Dikes	SD-003-1	2/14/2008	22.4	3.4	40	318	Periodic Sample
Downstream of Dikes	SD-004-01	9/24/2008	9.6	1	16.6	108	Periodic Sample
Downstream of Dikes	SD-007	2/26/2009	14	**6.2**	40.5	414	Periodic Sample
Downstream of Dikes	SD-009	9/3/2009	**38.8**	4.8	65.4	**533**	Periodic Sample
Downstream of Dikes	SD-014	3/17/2010	19.3	3	36.6	**511**	Periodic Sample
Downstream of Dikes	SD-15	10/11/2010	**51.6**	*5.1*	57.7	**915**	Periodic Sample
Downstream of Dikes	SD-18	3/29/2011	**47.2**	**6.1**	61.4	**475**	Periodic Sample
Downstream of Dikes	SD-21	8/3/2011	12.1	*0.9*	13.3	280	Periodic Sample
Downstream of Dikes	SD-24	3/9/2012	*5.1*	*2.5*	13.8	93.5	Periodic Sample
Downstream of Dikes	SD-27	8/28/2012	20.7	3.7	50.7	**611**	Periodic Sample
Downstream of Dikes	SD-30	2/19/2013	**46.8**	ND	49.4	**589**	Periodic Sample

NS = No Sample
Italics = result at or below detection limit
All results mg/kg (ppm)
Bold - Above PEC

Consensus Based Result Limit PEC (ppm)

Consensus Limit ppm	33	4.98	128	459
	Arsenic	**Cadmium**	**Lead**	**Zinc**
Total Project Average	**27.2**	**3.5**	**43.4**	**450.5**

Pre Remedial

Sample Location	Sample ID	Date	Arsenic	Cadmium	Lead	Zinc	Note
5100 Bridge	5100 Bridge	11/22/2005	61.35	7.5	50.2	755	Pre Remediation
4200 Road Bridge	4200 Road Bridge	11/22/2005	33.9	4.72	46	459	Pre Remediation
low water crossing	S17-D10	6/24/2003	18.5	14.3	48.2	517	Pre Remediation

ATTACHMENTS

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

March 05, 2013

Mark Landress
Project Navigator, Ltd.
10497 Town and Country Way
Suite 830
Houston, TX 77024

RE: Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Dear Mark Landress:
Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jamie Church

jamie.church@pacelabs.com
Project Manager

Enclosures

cc: Philip Jen, Project Navigator, Ltd.

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2
Illinois Certification #: 003097

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Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60139145001	**SD 30**	Solid	02/19/13 12:00	02/21/13 09:00
60139145002	**SD 31**	Solid	02/19/13 12:00	02/21/13 09:00
60139145003	**SD 32**	Solid	02/19/13 12:00	02/21/13 09:00

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SAMPLE ANALYTE COUNT

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60139145001	**SD 30**	EPA 6010	TJT	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60139145002	**SD 31**	EPA 6010	TJT	4	PASI-K
		ASTM D2974	DWC	1	PASI-K
60139145003	**SD 32**	EPA 6010	TJT	4	PASI-K
		ASTM D2974	DWC	1	PASI-K

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ANALYTICAL RESULTS

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Sample: SD 30 **Lab ID: 60139145001** Collected: 02/19/13 12:00 Received: 02/21/13 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**46.8**	mg/kg	0.99	1	02/27/13 12:30	03/01/13 10:49	7440-38-2	
Cadmium	ND	mg/kg	5.0	10	02/27/13 12:30	03/05/13 13:15	7440-43-9	
Lead	**49.4**	mg/kg	5.0	10	02/27/13 12:30	03/05/13 13:15	7439-92-1	
Zinc	**589**	mg/kg	99.4	10	02/27/13 12:30	03/05/13 13:15	7440-66-6	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**22.0**	%	0.50	1		02/27/13 00:00		

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Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Sample: SD 31 **Lab ID: 60139145002** Collected: 02/19/13 12:00 Received: 02/21/13 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**28.3**	mg/kg	1.1	1	02/27/13 12:30	03/01/13 10:51	7440-38-2	
Cadmium	**8.1**	mg/kg	2.6	5	02/27/13 12:30	03/05/13 11:59	7440-43-9	
Lead	**131**	mg/kg	2.6	5	02/27/13 12:30	03/05/13 11:59	7439-92-1	
Zinc	**695**	mg/kg	52.9	5	02/27/13 12:30	03/05/13 11:59	7440-66-6	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**23.2**	%	0.50	1		02/27/13 00:00		

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ANALYTICAL RESULTS

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Sample: SD 32 **Lab ID: 60139145003** Collected: 02/19/13 12:00 Received: 02/21/13 09:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**44.6**	mg/kg	0.98	1	02/27/13 12:30	03/01/13 10:53	7440-38-2	
Cadmium	ND	mg/kg	2.4	5	02/27/13 12:30	03/05/13 12:02	7440-43-9	D3
Lead	**33.6**	mg/kg	2.4	5	02/27/13 12:30	03/05/13 12:02	7439-92-1	
Zinc	**538**	mg/kg	48.8	5	02/27/13 12:30	03/05/13 12:02	7440-66-6	
Percent Moisture	Analytical Method: ASTM D2974							
Percent Moisture	**15.2**	%	0.50	1		02/27/13 00:00		

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QUALITY CONTROL DATA

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

QC Batch: MPRP/21665 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 60139145001, 60139145002, 60139145003

METHOD BLANK: 1145270 Matrix: Solid
Associated Lab Samples: 60139145001, 60139145002, 60139145003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	1.0	03/01/13 09:57	
Cadmium	mg/kg	ND	0.50	03/01/13 09:57	
Lead	mg/kg	ND	0.50	03/01/13 09:57	
Zinc	mg/kg	ND	10.0	03/01/13 09:57	

LABORATORY CONTROL SAMPLE: 1145271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.6	101	80-120	
Cadmium	mg/kg	50	48.5	97	80-120	
Lead	mg/kg	50	49.9	100	80-120	
Zinc	mg/kg	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1145272 1145273

Parameter	Units	60139066001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	16.8	50.9	52.6	57.0	59.6	79	81	75-125	4	20	
Cadmium	mg/kg	ND	50.9	52.6	46.8	47.4	91	90	75-125	1	20	
Lead	mg/kg	56.3	50.9	52.6	76.1	78.3	39	42	75-125	3	20	M1
Zinc	mg/kg	49.3	50.9	52.6	97.6	101	95	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

QC Batch: PMST/8311 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 60139145001, 60139145002, 60139145003

METHOD BLANK: 1145110 Matrix: Solid
Associated Lab Samples: 60139145001, 60139145002, 60139145003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Percent Moisture	%	ND	0.50	02/27/13 00:00	

SAMPLE DUPLICATE: 1145111

Parameter	Units	60138814001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.7	14.5	1	20	

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QUALIFIERS

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-K	Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NATIONAL ZINC CATCHMENT
Pace Project No.: 60139145

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60139145001	**SD 30**	EPA 3050	MPRP/21665	EPA 6010	ICP/17392
60139145002	**SD 31**	EPA 3050	MPRP/21665	EPA 6010	ICP/17392
60139145003	**SD 32**	EPA 3050	MPRP/21665	EPA 6010	ICP/17392
60139145001	**SD 30**	ASTM D2974	PMST/8311		
60139145002	**SD 31**	ASTM D2974	PMST/8311		
60139145003	**SD 32**	ASTM D2974	PMST/8311		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1644992

Section A Required Client Information:

Company: Project Navigator
Address: 10497 Town + Country Way #830
Houston TX 77024
Email To: PJEN@projectnavigator.com
Phone: 713 468-5004 Fax: 713-468-4515
Requested Due Date/TAT: Standard TAT

Section B Required Project Information:

Report To: PHIL JEN
Copy To:
Purchase Order No.:
Project Name: National Zinc Catchment
Project Number:

Section C Invoice Information:

Attention: SAME
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Jamie Church
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER X

Site Location STATE: KS

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Pb LEAD 6010	As Arsenic 6010	Cd Cadmium 6010	Zn Zinc 6010	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SD30	SL	C	2-14-13	12:00			4°	1	X								N	X	X	X	X	N	G6139145 W6FV 001
2	SD31	SL	C	"	"			4°	1	X								N	X	X	X	X	N	002
3	SD32	SL	C	"	"			4°	1	X								N	X	X	X	X	N	003
4																								
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Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
METHOD 6010	Phil Jen	2-14-13	1:15 PM		2/21/13	400	4.0	Y	Y	Y
Crush entire Sample										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: PHIL JEN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-14-13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical
www.pacelabs.com

Sample Condition Upon Receipt

WO#: 60139145

60139145

Client Name: Project Navigator

Optional
Proj Due Date:
Proj Name:

Courier: Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other ☐

Tracking #: 9540 7504 5094 Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

Thermometer Used: T-112 / T-194 **Type of Ice:** (Wet) Blue None ☐ Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: 4.0

Temperature should be above freezing to 6°C

Date and initials of person examining contents: JM 2/22/13

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	9.
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests?	☐Yes ☑No ☐N/A	12.
Sample labels match COC: Includes date/time/ID/analyses Matrix: SC	☑Yes ☐No ☐N/A	13.
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☐Yes ☑No	Initial when completed / Lot # of added preservative
Trip Blank present: Pace Trip Blank lot # (if purchased):	☐Yes ☑No ☐N/A	15.
Headspace in VOA vials (>6mm):	☐Yes ☐No ☑N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☑No ☐N/A	17. List State: KS

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____