

ONE SYSTEMS DRIVE APPLETON, WI 54914-1654 1-800-571-6677 920-735-6900 FAX 920-830-6100

August 31, 2020

Jeremy Mitchell Hydrogeologist Wisconsin Department of Natural Resources 2984 Shawano Avenue Green Bay, WI 54313

Re: Limited Site Investigation Report for Midwest Plating Corp Site, BRRTS #02-45-191769; OMNNI Project No. R3000279

Dear Mr. Mitchell:

OMNNI Associates, a Westwood company (OMNNI), on behalf of the Wisconsin Department of Natural Resources (WDNR), executed the proposal dated July 14, 2020. This Limited Site Investigation Report summarizes the site activities associated with the soil sampling at the adjoining property located at 713 South Mason Street, Appleton, Wisconsin (Site). The Limited Site Investigation consisted of direct-push soil borings and soil sample collection. The following is a summary of the work performed by OMNNI to date.

Introduction

The Site is located in the NE ¼ of the NW ¼ of section 34, T21N, R17E, Outagamie County, Wisconsin (reference Figure 1 – Location Map, attached). The Site is located within the City of Appleton, Wisconsin, in a mixed commercial/residential area (reference Figure 2 – 8/4/2020 Soil Sample Locations, attached). The Site is bordered to the north by the Former Midwest Plating Corporation and a residential property. The Site is bordered to the east by Mason Street followed by residential properties. The Site is bordered to the south by residential properties. The Site is bordered to the west by a commercial property.

The Site is irregularly shaped and 0.59-acres in size. The Site is owned by Mr. Garrett Griswold and is zoned Single-Family District (R1B). The Site currently consists of a residential property with a grassed yard, and woods along the western side of the property (reference Figure 2 - 8/4/2020 Soil Sample Locations, attached).

The Site is located in an area where manufacturing operations existed north of the Site on the Midwest Plating property. The operations at Midwest Plating consisted of chromium plating and operated on the property since 1973. OMNNI previous was involved with investigations and interim remedial activities on the Midwest Plating and adjoining properties. The recent sampling activities were performed to assist the WDNR with identifying potential chromium and hexavalent chromium contamination on the Site from the Midwest Plating Corporations operations.

Investigative Efforts

Based on conversations with the WDNR and the historical investigative activities at the Midwest Plating Corp property, OMNNI was requested to install soil borings on the adjoining property and collect soil samples for chromium and hexavalent chromium analysis to assess the potential impacts at the Site. Jeremy Mitchell August 31, 2020 Page 2 of 2

On August 4, 2020 OMNNI staff arrived onsite to collect soil samples. OMNNI supervised the installation of seven (7) soil borings to a depth of five (5) feet below ground surface (bgs). Two soil samples were to be collected from each soil boring for laboratory analysis.

Soil:

Soil borings WW1 through WW7 generally consisted of approximately eight (8) to twelve (12) inches of silty sand with organics classified as topsoil, followed by silty clay, and silty sand to the maximum depth explored (reference Soil Boring Logs, attached). Two soil samples were collected from each soil boring at intervals of one (1) foot bgs and three (3) feet bgs. An additional soil sample was collected from soil boring WW4 from a depth of two to two and a half (2-2.5) feet bgs based on field observations in the soil. Soil samples were submitted to Synergy Environmental Lab for chromium and hexavalent chromium analysis. Soil analytical results from the Limited Site Investigation are summarized below.

<u>Chromium</u>

Chromium in soil sample WW6-2 (57.1 milligrams per kilogram (mg/kg)) was detected exceeding the Wisconsin Administrative Code (WAC) NR 720 Background Threshold Value (BTV) for Chromium, however the concentration detected is below the WAC NR 720 Soil-to-Groundwater Pathway. Chromium was detected in the remaining soil samples collected, however the concentrations detected were below the WAC NR 720 BTVs (reference Table 1 – Soil Analytical Results Table, attached).

Hexavalent Chromium

Hexavalent chromium was not detected in any of the soil samples submitted above laboratory detection levels (reference Table 1 – Soil Analytical Results Table, attached).

Conclusions and Recommendations:

The Limited Site Investigation was intended to identify if off-site chromium and hexavalent chromium contamination from the Midwest Plating property extended onto the Site. The soil analytical results indicate the chromium and hexavalent chromium concentrations are below the WAC NR 720 Non-Industrial Direct Contact Residual Contaminant Levels (RCLs) and the Soil-to-Groundwater Pathway RCLs.

If you have any questions, please feel free to contact me by email at brian.wayner@omnni.com or by phone at (920) 830-6141.

Sincerely,

Brian D. Waynes

Brian D. Wayner, P.E. Environmental Manager

Attachments: Figure 1 – Site Location Map Figure 2 – 8/4/2020 Soil Sample Locations Table 1 – Soil Analytical Results Table Soil Boring Logs Laboratory Analytical Results and Chain of Custody









LOCATION MAP 713 S. MASON STREET 1315 W. FOURTH STREET APPLETON, OUTAGAMIE COUNTY, WISCONSIN

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Service Layer Credits: Esri, HERE, Garmin, (c) OpenStreetMap contributors Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community Copyright:© 2013 National Geographic Society, i-cubed



Midwest Plating Corp (Former)

Table 1 - Soil Analytical Results Table

Detected RCRA Metals and Other Tested Compounds (mg/kg)

Chemical Name			Solids Percent	Chromium, Total	Chromium, Hexavalent
Non-Industrial Dir	ect Contact	RCL			0.301
Industrial Direct C	ontact RCL				6.36
Soil-to-Groundwat	ter Pathway	RCL		360000	
Background Thres	hold Value	(BTV)		43.5	
Sample	Depth	Date	_SolidsPct	7440-47-3	18540-29-9
WW1-1	1'	8/4/2020	84	37.1	< 0.64
WW1-2	3'	8/4/2020	86.6	21.4	< 0.64
WW2-1	1'	8/4/2020	85.1	34.4	< 0.64
WW2-2	3'	8/4/2020	87.9	18.7	< 0.64
WW3-1	1'	8/4/2020	83.8	36.5	< 0.64
WW3-2	3'	8/4/2020	84.2	30.4	< 0.64
WW4-1	1'	8/4/2020	87.2	27.1	< 0.64
WW4-2	3'	8/4/2020	83	42.9	< 0.64
WW4-3	2-2.5'	8/4/2020	85.8	23.7	< 0.64
WW5-1	1'	8/4/2020	86.4	27.7	< 0.64
WW5-2	3'	8/4/2020	91.4	37.3	< 0.64
WW6-1	1'	8/4/2020	87.4	25.3	< 0.64
WW6-2	3'	8/4/2020	81.8	57.1	< 0.64
WW7-1	1'	8/4/2020	87.4	22.9	< 0.64
WW7-2	3'	8/4/2020	86.2	18	< 0.64

11/20/2018 State of Wisconsin Soil Residual Contaminant Levels (RCL) were used.

RCL = residual contaminant level.

J = Analyte detected between the limit of detection and limit of quantitation.

mg/kg = milligrams per kilogram



Detects with no exceedances above RCLs Non-Industrial DC RCL exceedance Industrial DC RCL exceedance Soil-to-Groundwater Pathway RCL exceedance

SOIL BORING	LOG	INFORMATION
Form 4400-122		Rev. 7-98

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Watershed/Wastewater
Waste Management
Remediation/Revelopment
Other



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11

3'

Route

<u>To:</u>	Watershed/Wastewater	Waste Ma	nagement	
	Remediation/Revelopmen	t 🖾 Other	Ō	

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Facilit	y/Proj	ect Na	me Mi	dwest Plating	Lice	nse/Per	rmit/Mo	mitoria	ng Nur	nber	Borin	ıg Num	iber V	NW	7
Boring First N Firm:	Drille On-	sd By: Si 4e	Nam E	e of crew chief (first, last) and Firm Last Name: Kaply, nvironmental			ig Starte 1 <u>20</u> 1 y y	ed <u>20</u> y y	Date <u> 08</u> m m	Drillin /d	$\frac{1}{g Com}$	pleted $\frac{2}{y} \frac{2}{y}$	Drillin Di Ge	ng Me	thod push
WIUn	lique V	Vell N	o.	DNR Well ID No. Well Name	Fina	Static	Water	Level	Surfac	ce Élev	ation		Boreh	ole Di	ameter
Local	Grid C	rigin		stimated: D) or Boring Location D	<u></u>		_Feet N	ISL.		Grid I	Feet	MSL		i	inches
State P	lane _			N,E		Lat		· · · · ·		0.101	C	1 N			ΞE
Facility	1/4 of		1/4 of	Section, TN, R		ong			<u> </u>	F	eet 🗖	is		Fee	
	, ID			Outagumie	Lounty	S	Civil	Town/	City/ o	r Villa OP/e	ge tor				
Sam	ple ((juce)			Т					Soil	Prope	rties		
Number and Type	Length Att. 8 Recovered (in	Blow Counts	Depth in Foet (Below ground sur)	Soil/Rock Description And Geologic Origin For Each Major Unit		USCS	Graphic Log	Well Diagram	PID/FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
Thereby	202	- fy the		0-8" Brun Silty S W Organics Ast SFt Gray Silty Sonl Mst Soft Reddish Brun Sil elay Truce grave Truce grave Truce Sand V. Mst Soft Truce Sand Suil becomes my Shill EOB 5'	popsal Hy									H,	WW7-1 C9:21 WW7-2 C9:23
I hereby	y certi	fy tha	it the i	nformation on this form is true and	correct to t	hc bes	t of m	/ knov	vledge						L
Signatur	e	1	<u></u>	- 10	Firm		INI A	SSO	ciate	es, a	. We	estw	ood	com	npany

Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

BRIAN WAYNER OMNNI ASSOCIATES INC ONE SYSTEMS DRIVE APPLETON WI 54914-1654

Report Date 18-Aug-20

Project Name Proiect #	MIDWEST I R3000279.00	PLATING)					Invo	ice # E382	278	
Lab Code Sample ID Sample Matrix Sample Date	5038278A WW1-1 Soil 8/4/2020									
		Result	Unit	LOD I	LOQ I	Dil	Method	Ext Date	Run Date Analy	st Code
General General Solids Percent		84.0	%			1	5021		8/6/2020 MJR	1
Inorganic Metals										
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020 ESC	1
Chromium, Total		37.1	mg/Kg	0.08	0.26	1	6010B		8/14/2020 CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278B WW1-2 Soil 8/4/2020									
		Result	Unit	LOD I	LOQ I	Dil	Method	Ext Date	Run Date Analy	st Code
General General Solids Percent		86.6	0/0			1	5021		8/6/2020 MIR	1
Inorgania		00.0	70			1	5021		0/0/2020 101310	1
Metals										
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020 ESC	1
Chromium, Total		21.4	mg/Kg	0.08	0.26	1	6010B		8/14/2020 CWT	1

Project Name Project #	MIDWEST I R3000279.00	PLATING)						Invo	ice # E382	278		
Lab Code Sample ID Sample Matrix Sample Date	5038278C WW2-1 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		85.1	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		34.4	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278D WW2-2 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		87.9	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		18.7	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278E WW3-1 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		83.8	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		36.5	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1

Project Name Project #	MIDWEST I R3000279.00	PLATING)						Invo	ice # E382	.78		
Lab Code Sample ID Sample Matrix Sample Date	5038278F WW3-2 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		84.2	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		30.4	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278G WW4-1 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		87.2	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		27.1	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278H WW4-2 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		83.0	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		42.9	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1

Project Name Project #	MIDWEST I R3000279.00	PLATING)						Invo	ice # E382	.78		
Lab Code Sample ID Sample Matrix Sample Date	5038278I WW4-3 Soil 8/4/2020											~ .
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		85.8	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		23.7	mg/Kg	0.08	0.2	5	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278J WW5-1 3 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		86.4	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		27.7	mg/Kg	0.08	0.2	5	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278K WW5-2 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		91.4	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		37.3	mg/Kg	0.08	0.2	5	1	6010B		8/14/2020	CWT	1

Project Name Project #	MIDWEST F R3000279.00	PLATING)						Invo	ice # E382	78		
Lab Code Sample ID Sample Matrix Sample Date	5038278L WW6-1 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		87.4	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		25.3	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278M WW6-2 Soil 8/4/2020											
-		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		81.8	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		57.1	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1
Lab Code Sample ID Sample Matrix Sample Date	5038278N WW7-1 Soil 8/4/2020											
		Result	Unit	LOD	LOQ	Dil		Method	Ext Date	Run Date	Analyst	Code
General General Solids Percent		87.4	%				1	5021		8/6/2020	MJR	1
Inorganic Metals												
Chromium, Hexava	alent	< 0.64	mg/kg	0.64	2.1	3	1	7196A		8/13/2020	ESC	1
Chromium, Total		22.9	mg/Kg	0.08	0.2	6	1	6010B		8/14/2020	CWT	1

Project Name Project #	MIDWEST P R3000279.00	PLATING					Invo	ice # E382	78		
Lab Code	50382780										
Sample ID	WW7-2										
Sample Matrix	x Soil										
Sample Date	8/4/2020										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		86.2	%			1	5021		8/6/2020	MJR	1
Inorganic											
Metals											
Chromium, Hexav	alent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total		18.0	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

ESC denotes sub contract lab - Certification #998093910

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michaelflel

OUDTE #: Project #: R3000279.00 Sampler: Isignature Project (Name / Location): Midwest P/stix Reports To: Brich Wayner Company OMNNI Associctes	hvoice Tc	Enviro 19901 920-83 Aprich.	www.synet Prospect Ct. • 0-2455 • mrsy	ntal L rgy-lab.net Appleton, V /nergy@wi.t	ab, 11 5491 wcbc.cc	4 1	IC.		N _B	Rus	San h An h acc	ialy: epte	Ha d on An		ing ate	Re	r aut	est fred	l: ization)
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Sampler: (signature) 2. Project (Name / Location): Milwest Plstix Reports To: Brign Waynes Company OMNNI Associates		Aprich.	0-2455 • mrsy	/nergy@wi.t	webe.co	m +			2	Norr	nal	L'un	An	nuc	d				
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Address N. SYStems Dr.	Address	IN. SVI	tenes 0	2	i) i)				E		OLID				m	row	_	-	
City State Zip Appleton WI SYS/4	City State	ZIP Appleton	SINU	41/4	ep 95 ep 95		-		ALEN		ED S				nin	Ch	_		
Phone (920) 735-6900	Phone (224 (OCh	- 6900		RO S	RITE	SE 70)		9021) HTHA		END	60)	- 15)	ALS	ron	it	_		_
Email Brian Wayher Commiss	Email	the mesta	wolfs. Con	2	lod Di lod G	E/NIT	PA 82		NAP	E	SUSP	PA 82	OT) F	MET	Cł	aler	-	_	FID
Lab I.D. Sample I.D. Collect	Time Y/	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (N GRO (N	LEAD NITRA1	OIL & G	PCB	PVOC (SULFA	TOTAL	VOC (F	VOC AI	8-RCR/	Total	Hexav			
50382 18H WW 1-1 8/4/00 8	N 15:34	-1-	-15	Non			-		-			-			X	5%		-	
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2 WW3-1	せ										_	-			x	X			
T 225-1	5 His						-		-		-	-	T	1	x	X	-	+	
H WW4-2	38						-				+	+	1		82	X	-	-	
T WW4-3	ts:														8	X	-	-	
T WWS-1	hot								-		-				8	N	-		
A MM	10:01			-		-	-		-			-			5	X	-	-	
Comments/Special Instructions ("Specify groundwater"	GW", Drinki	ng Water "DW",	Waste Water "N	NW", Soil "S"	Air "A",	Oil, S	ludge	etc.	-			-			5	7	-		
										é			36	Sec. 1					
Sample Integrity - To be completed by receiving Method of Shipment:	ab.	Relinquis	ned By: (sign)		Time	100	ate /2012	Hex	r ↓	By	sign)	Key				-0 =	me 19	0	Date 8/4/2
Temp. of Temp. Blank: °C On Ice:	1	1st.	S. Wayn		10:01	8/8	02									1			
Cooler seal intact upon receipt: Yes 1	0	Received	2011/1-1011/001101/00101101/0110011001	A NJ		2	5												

Cooler seal intact upon receipt: Yes	Sample Integrity - To be completed by reo Method of Shipment:	Comments/Special Instructions ("Specify groundy	T Z-EMM O	I IFMM I	503827811 WW6-2 84	Lab I.D. Sample I.D. Da	Email Brian. Wayner Waynen	City State Zip Appleton WI SYSIY	Address I N. Systems Dr	Company OMNNI Associates	Reports To: Brian Wayner	Project (Name / Location): Midwest Pk;	Sampler: (signature) B	Project #: Right Day 00	Lab I.D. #	CHAIN OF (STODY RECORD
No	aiving lat	/ater "G\		9	10 00	ollection e Ti	(AM)					ters			Revenue a	
1			23	21	2	me	Phone	City St	Addres	Compa	Invoice				And an	
		nking W	1-	-	Z	-iltered Y/N	to the	ate Zip	55 / N	VO AUE	To:			1	Π	
Received in	Relinquishe	ater "DW", W	-	-	-	No. of Containers	SEE (0	4ppleton	1. SYST	ANNI :	Brian 1	Applet	1990 P 920-830		nviro	10
n Laboratory B	d By: (sign)	/aste Water "	H	-	S	Sample Type (Matrix)*	-6900	WI ST	a seu	Assacia	Vayner	and and a	-2455 • mrs	www.syne	mmol	Y
White a	h /	WW", Soil "S	٢	_	Non	Preservation	0	41814	X.	tes			 Appleton, ynergy@wi. 	rgy-lab.net	1 1040	erg
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K		P. 0				LEAD						Ana	914 .com	9		
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1	8 00	dge,				PAH (EPA	8270)					Rec		5	3	
	Rec	etc				PCB						ques		1	7	
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Date:	Time ?: %		X	×	×	Hexava	lent	Chi	rom	iu	m	Othe	prior at	e Requ	Ren	47
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