LAWRENCE
ENVIRONMENTAL GROUP, LLC

7 March 2006

Mr. Ken Peterson
GMD Shipyard Corporation
63 Flushing Avenue
Unit #276
Brooklyn, New York 11205

Re: Sand Blast Grit – TCLP Testing
Lawrence Project # 206056

Dear Mr. Peterson,

Lawrence Environmental Group LLC was contacted by GMD Shipyard to categorize the sand blast grit waste mound located at the Brooklyn Navy Yard. This categorization is necessary to determine the proper disposal method of this waste material.

On February 24, 2006, Lawrence Environmental Group divided the mound into nine sample grids. One sample of grit was taken from various depths from each of the nine grids and combined into one composite sample. An Oakfield Apparatus Soil Sampler served as the collection device.

The sample with the chain of custody was sent by FEDex to Analytics Corporation, Richmond, VA. Toxicity Characteristic Leaching Procedure (TCLP) analysis for metal was requested. Specifically, EPA Analytical Methods 7470 would be used to quantify the following RCRA (Resource Conservation & Recovery Act) listed metals: Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver

The results of TCLP analysis of the composite sample indicates indicate that the sand blast grit waste *does not* meet the Environmental Protection Agency's hazardous waste criteria (see Appendix B). Based on the results of the TCLP analysis (see Appendix A), the sand blast grit may be disposed of as construction and demolition (C&D) debris.

If you have any questions about the testing results, please contact us.

Regards,

Gerard L. Baril, CIH
Director of Industrial Hygiene

63 Flushing Avenue - Unit 132 • Brooklyn, NY 11205-1070 • Phone: (718) 237-5125 • Fax: (718) 237-5126

APPENDIX A

Laboratory Analytical Results and Chain of Custody

Analytics Corporation
8040 Villa Park Drive, Suite 250
Richmond, VA 23228
Phone: (804)264-7100
Fax (804)264-8573

March 6, 2008

GERARD BARIL
LAWRENCE ENVIRONMENTAL GROUP LLC
SUITE 132
63 FLUSHING AVE
BROOKLYN, NY 11205

Purchase Order:

Client ID: 208056-GMD
Workorder: 6058005

Dear GERARD BARIL:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, February 27, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

DAWN CASTO

Abbreviations:
ug/L = micrograms per Liter, mg/L = milligrams per Liter, ug/g micrograms per gram, mg/kg = milligrams per kilogram
ug/wp = micrograms per wipe, ug/ml = micrograms per milliliter, uS = microsiemens per centimeter at 25 degrees
ppb = parts per billion, DF = Dilution Factor
Unless otherwise specified all analyses of solid materials are based on dry weight.
The signatures at the end of this report certify that the results are based on the referenced methods and unless otherwise noted meet the requirements of NELAC.

Reported results relate only to the items tested, as received by the laboratory.

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Analytics Corporation.

Analytics Corporation
6040 Vista Park Drive, Suite 250
Richmond, VA 23225
Phone: (804)264-7100
Fax: (804)264-8673

SAMPLE SUMMARY

Workorder 6058005 206056-GMD

Lab ID	Sample ID	Matrix	Received Cond	Date Collected	Date Received
6058005001	SANDBLAST GRIT	Waste	OK	2/24/2006 16:00	2/27/2006 09:54

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Analytics Corporation
8040 Villa Park Drive, Suite 200
Richmond, VA 23228
Phone: (804)254-7100
Fax: (804)264-6873

ANALYTICAL RESULTS

Workorder 6058005 206056-GMD

Lab ID: 6058005001 Date Received: 2/27/2006 09:54 Matrix: Waste
Sample ID: SANDBLAST GRIT Date Collected: 2/24/2006 16:00 TYPE: NA

Parameters	Results	Units	Report Limit	DF	Prepared	By	Analyzed	By	Qu	RegLmt
Analysis Desc: SW-846 7470A (TCLP)				Preparation Method: SW-846 7470A (TCLP) Analytical Method: SW-846 7470A (TCLP)						
Mercury	<0.00200	mg/L	0.00200	1	03/03/2006 00:00	SJ	03/06/2006 16:40	NFS		

TCLP Metals

Analysis Desc: SW-846 6010B TCLP				Preparation Method: SW-846 3010 Analytical Method: SW-846 6010B TCLP						
Arsenic	<0.500	mg/L	0.500	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Barium	<10.0	mg/L	10.0	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Cadmium	<0.100	mg/L	0.100	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Chromium	<0.500	mg/L	0.500	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Lead	<0.500	mg/L	0.500	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Selenium	<0.100	mg/L	0.100	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		
Silver	<0.500	mg/L	0.500	1	03/03/2006 00:00	SJ	03/04/2006 14:56	BLS		

CERTIFICATE OF ANALYSIS

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ENVIRONMENTAL CHAIN OF CUSTODY

ACCOUNT NAME AND ADDRESS
LAWRENCE ENVIRONMENTAL GROUP
SUITE 132
63 FLUSHING AVE.
BROOKLYN, NY 11205
Phone: 718-237-5125
Fax: 1-718-237-5126
ACCT#: 31741015

DATE SHIPPED: 2/24/06
OF SAMPLES: 1
PROJECT NAME OR NUMBER: Project #20604 - GMD
PURCHASE ORDER NO.:
CONTACT: GERARD BARIL
TELEPHONE NUMBER:

RUSH ANALYSIS
☐ 24 HOUR
☐ 48 HOUR
Extra Charge

SPECIAL INSTRUCTIONS:
email to: gerry@legllc.com

ANALYTICS
8040 Villa Park Drive, Suite 250
Richmond, Virginia 23228
Phone (804) 264-7100
Toll Free (800) 888-8061
Fax (804) 264-8873

CHAIN OF CUSTODY RECORD

MATRIX CODES
A = AQUEOUS O = OIL
S = SOLID X = OTHER

ANALYSIS REQUESTED (Place an "X" in the box below to indicate request)

Lab ID	Sample Identification	Date & Time	MATRIX	# of Bottles	Grab / Comp.	TCLP-METALS										Preservative H_2SO_4	HCL	HNO_3	NaOH	Other	COMMENTS
	Sand Blast Grit	2/24/06 4PM			X	X															TCLP-Metals

SAMPLED BY (PRINT NAME): GERARD BARIL
SAMPLED BY (SIGNATURE TO INITIATE COC): [signature]
DATE: 2/24/06
TIME: 4:10PM

SAMPLES RECEIVED BY: (SIGNATURE)	DATE	TIME	CONDITION	SAMPLES RELINQUISHED BY: (SIGNATURE)	DATE	TIME	CONDITION
FEDEX							
[signature]	2/27/06	0915	intact				

RETAIN BACK COPY FOR PERSONAL RECORDS

ENVCOC-01 (REV. 2001-01)

APPENDIX B

U.S. EPA
40 CFR PART261
Hazardous Waste
Toxicity Criteria

EPA Listed Wastes

Table 1: Maximum concentration of contaminants for the "toxicity" characteristic, as determined by the TCLP ("D" list)			
HW No.	Contaminant	CAS No.	Regulatory Level (mg/L)
D004	Arsenic	7440-38-2	5.0
D005	Barium	7440-39-3	100.0
D0018	Benzene	71-43-2	0.5
D006	Cadmium	7440-43-9	1.0
D019	Carbon tetrachloride	56-23-5	0.5
D020	Chlordane	57-74-9	0.03
D021	Chlorobenzene	108-90-7	100.0
D022	Chloroform	67-66-3	6.0
D007	Chromium	7440-47-3	5.0
D023	o-Cresol	95-48-7	200.0**
D024	m-Cresol	108-39-4	200.0**
D025	p-Cresol	106-44-5	200.0**
D026	Cresol	-------	200.0**
D016	2,4-D	94-75-7	10.0
D027	1,4-Dichlorobenzene	106-46-7	7.5
D028	1,2-Dichloroethane	107-06-2	0.5
D029	1,1-Dichloroethylene	75-35-4	0.7
D030	2,4-Dinitrotoluene	121-14-2	0.13*
D012	Endrin	72-20-8	0.02
D031	Heptachlor	76-44-8	0.008
D032	Hexachlorobenzene	118-74-1	0.13*
D033	Hexachlorobutadiene	87-68-3	0.5
D034	Hexachloroethane	67-72-1	3.0
D008	Lead	7439-92-1	5.0
D013	Lindane	58-89-9	0.4
D009	Mercury	7439-97-6	0.2
D014	Methoxychlor	72-43-5	10.0
D035	Methyl ethyl ketone	78-93-3	200.0
D036	Nitrobenzene	98-95-3	2.0
D037	Pentachlorophenol	87-86-5	100.0
D038	Pyridine	110-86-1	5.0*
D010	Selenium	7782-49-2	1.0
D011	Silver	7740-22-4	5.0
D039	Tetrachloroethylene	127-18-4	0.7
D015	Toxaphene	8001-35-2	0.5
D040	Trichloroethylene	79-01-6	0.5
D041	2,4,5-Trichlorophenol	95-95-4	400.0
D042	2,4,6-Trichlorophenol	88-06-2	2.0
D017	2,4,5-TP (Silvex)	93-72-1	1.0
D043	Vinyl Chloride	74-01-4	0.2

* Quantitation limit is greater than the calculated regulatory level. The quantitative limit therefore becomes the regulatory level.

** If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 milligrams per liter (mg/L).

1

END OF REPORT