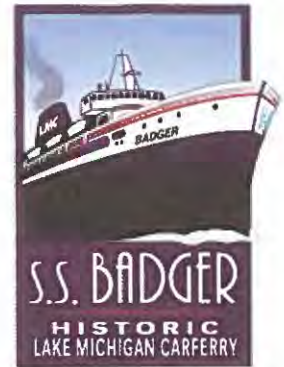


US EPA ARCHIVE DOCUMENT

September 22, 2014



VIA FIRST CLASS U.S. MAIL AND E-MAIL
Attachment Contains Confidential Business Information

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611, Ben Franklin Station
Washington, DC 20044-7611

Director, Water Enforcement Division
Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
Mail Code 2243A
1200 Pennsylvania Ave., NW
Washington, DC 20460

Director, Water Division
U.S. Environmental Protection Agency, Region 5
77 W. Jackson Blvd. (W-15J)
Chicago, IL 60604

Re: *United States v. Lake Michigan Trans-Lake Shortcut, Inc., d/b/a Lake Michigan Carferry Service and S.S. Badger*, No. 1:13-cv-317, DOJ Case No. 90-5-1-1-10771 (W.D. Mich.)

Dear Sir or Madam:

Pursuant to Paragraph 43B of the Amendment to the Consent Decree, attached please find the lab analysis of coal purchased to be used on the S.S. Badger during the 2014 Operating Season starting in September 2014. The lab analysis reports the ash, mercury, and sulfur content of the coal purchased. If additional coal is purchased for use during the 2014 Operating Season, LMC will provide additional analyses. With this submission, LMC has fulfilled the requirements set forth in Paragraph 43B of the Amendment to the Consent Decree.

Please do not hesitate to contact me if you have questions or require additional information.

Very truly yours,



Charles R. Leonard
Vice-President, Navigation
Lake Michigan Carferry Service



Attachment



Twin Ports Testing, Inc.
 1301 North 3rd Street
 Superior, WI 54880
 p: 715-392-7114
 p: 800-373-2562
 f: 715-392-7183
 www.twinportstesting.com

Analytical Test Report

Report No: **USR:W214-0647-01**
 Issue No: **1**

This report replaces all previous issues

Client: [REDACTED]
 Attention:
 PO No: 1222.05

Signed: *Stephen Sundeen*
 Stephen Sundeen
 Chemistry Laboratory Manager
 Date of Issue: 7/24/2014

THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

Sample Details

Sample Log No: W214-0647-01
 Sample Designation: Stoker - South West 07/18/14
 Sample Recognized As: Coal

Sample Date:
 Sample Time:
 Arrival Date: 7/21/2014

Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture - Total	ASTM D3173	wt. %		3.53
Ash	ASTM D3174	wt. %	6.20	5.98
Volatile Matter	ASTM D3175	wt. %		
Fixed Carbon by Difference	ASTM D3172	wt. %		
Sulfur	ASTM D4239	wt. %	0.93	0.90
SO ₂	Calculated	lb/mmbtu		1.25
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne		
Net Cal. Value at Const. Pressure	ISO 1928	J/g		
Gross Cal. Value at Const. Vol.	ASTM D5865	J/g	32796	31637
Gross Cal. Value at Const. Vol.	ASTM D5865	Btu/lb	14100	13602
Carbon	ASTM D5373	wt. %		
Hydrogen*	ASTM D5373	wt. %		
Nitrogen	ASTM D5373	wt. %		
Oxygen*	ASTM D3176	wt. %		
*Note: As received values do not include hydrogen and oxygen in the total moisture.				
Chlorine	ASTM D6721	mg/kg		
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg	0.044	0.042
Sodium Oxide in Ash	ASTM D3682	wt. %		
Hardgrove Grindability Index	ASTM D409	wt.index		

Comments