

# MICHAEL PISANI & ASSOCIATES, INC.

Environmental Consulting Services

13313 Southwest Freeway  
Suite 221  
Sugar Land, Texas 77478  
Telephone (281) 242-5700  
Facsimile (281) 242-1737  
[dangle@mpisani.com](mailto:dangle@mpisani.com)

1100 Poydras Street  
1430 Energy Centre  
New Orleans, Louisiana 70163  
Telephone (504) 582-2468  
Facsimile (504) 582-2470  
[mpisani@mpisani.com](mailto:mpisani@mpisani.com)

11409 Pennywood Avenue  
Baton Rouge, Louisiana 70809  
Telephone (225) 755-2250  
Facsimile (225) 755-2259  
[afix@mpisani.com](mailto:afix@mpisani.com)

August 12, 2015

Mr. Gary Snellgrove  
Louisiana Department of Natural Resources  
617 North Third Street, LaSalle Building  
Baton Rouge, Louisiana 70802-5431

RE: Amendment to Feasible Plan for Remediation  
DOCKET NO. ENV-L-2015-01  
Martha Zoe Moore, et al v. Denbury Onshore, L.L.C.  
U.S.D.C.-Western District  
Monroe Division  
CIVIL ACTION NO. 3:14-CV-913

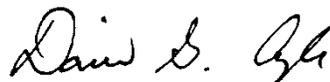
Dear Mr. Snellgrove:

Michael Pisani & Associates, Inc. (MP&A) is pleased to submit this amendment to our May 26, 2015 Feasible Plan for Remediation for the above referenced property to the Louisiana Department of Natural Resources (LDNR) Office of Conservation in response to the recent findings of Dr. Luther Holloway's plant root study conducted in July 2015. Dr. Holloway's study concluded that "no remediation is warranted at this time" and that if the MP&A contingency plan for soil remediation is ultimately required then remediation below a depth of one foot would not be necessary. Therefore, we have amended the attached Table 8 from the Feasible Plan to reflect a maximum remediation target depth of one foot which reduces the contingency plan cost estimate from approximately \$1,446,500 to \$555,496.

Please contact us if you have any questions.

Sincerely,

MICHAEL PISANI AND ASSOCIATES, INC.



David G. Angle, P.G., CGWP

cc: Russell Howadel, Adams Hoefler & Holwadel, LLC

## **Revised Table 8**

### **Amendment to Feasible Plan for Remediation**

*DFU 125-1 Site (Saltwater Pipeline Release)*

*LDEQ AI#186776*

*Martha Zoe Moore, et al. vs. Denbury Onshore, LLC*

*Docket No. 43,926-B, 5th Judicial District Court*

*Richland Parish, Louisiana*

Table 8 - Amended  
 Contingent Soil Remediation Cost Estimate  
 Martha Zoe Moore, et al. vs. Denbury Onshore, LLC  
 Richland Parish, Louisiana

Description: Implement 1/4 Acre test plots evaluation and full scale soil remediation program, if required and if feasible.					
<b>US Corps Permit Application</b>	<b>Unit Cost</b>	<b>Unit</b>	<b>Amount</b>	<b>Cost</b>	<b>Basis</b>
Prepare permit application	\$15,000	Lump Sum	1	\$15,000	Dr. Luther Holloway estimate
<b>Test Plots - Two 1/4 acre areas</b>	<b>Unit Cost</b>	<b>Unit</b>	<b>Amount</b>	<b>Cost</b>	<b>Basis</b>
Conduct Test Plot Evaluation over 2 growing seasons	\$40,000	Lump Sum	1	\$40,000	Dr. Luther Holloway estimate
<b>Full Scale Soil Remediation Program - 0-1 foot</b>	<b>Unit Cost</b>	<b>Unit</b>	<b>Amount</b>	<b>Cost</b>	<b>Basis</b>
Implement Soil Remediation Program over ~12 acres	\$33,333	Acre	12	\$399,996	Dr. Luther Holloway estimate
<b>Project Coordination, Management, &amp; Reporting</b>	<b>Unit Cost</b>	<b>Unit</b>	<b>Amount</b>	<b>Cost</b>	<b>Basis</b>
MP&A coordination/reporting with Cork & Dr. Holloway	\$25,000	Year	2	\$50,000	MP&A Estimate
			Total	\$504,996	
			Contingency (10%)	\$50,500	
			<b>Grand Total</b>	<b>\$555,496</b>	