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Task Order LM00-502  
Control Number 11-0632

May 13, 2011

U.S. Department of Energy  
Office of Legacy Management  
ATTN: Scott Surovchak  
Pinellas Site Manager  
11025 Dover Street, Suite 1000  
Westminster, CO 80021

SUBJECT: Contract No. DE-AM01-07LM00060, S.M. Stoller Corporation (Stoller)  
Better Business Forms Data Report

REFERENCE: Task Order LM00-502-06-509, Pinellas, FL, Site

Dear Mr. Surovchak:

This letter reports the results of the final off-site plume delineation event on property owned by Better Business Forms at 10950 Belcher Road in April 2011. The purpose of this sampling event was to complete delineation of the contaminant plume that extends from the Building 100 Area on the Young – Rainey STAR Center south across Bryan Dairy Road onto private property. The results of previous off-site plume delineation events were reported in the *Data Report for Rally Stores Property*, October 2010, and in a letter, *South Belcher Road Data Report*, April 4, 2011.

From April 4 to 6, 2011, Stoller personnel installed three temporary sampling points (12-BBF15; 12-BBF16; and 12-BBF17) at 10950 Belcher Road. Groundwater samples were collected at every 4-foot depth interval, starting at 8 feet below land surface and extending to as deep as 36 feet below land surface, spanning the entire depth of the surficial aquifer. The groundwater samples were collected using a direct-push drilling method in combination with a Waterloo-type sampling tip.

During this event, 22 groundwater samples, 2 duplicate samples, 5 equipment blank samples, and 1 trip blank sample were collected. TestAmerica-Denver analyzed the samples using EPA Method 8260, and the final laboratory data were validated using the DOE data validation process.

Vinyl chloride was the only contaminant of potential concern detected in the groundwater samples. Vinyl chloride was present above its 1 microgram per liter cleanup target level at location BBF16 and was detected below the cleanup target level at the other two locations (Table 1). The maximum vinyl chloride concentration measured at each sampling point is posted on Figure 1. This figure also shows the maximum vinyl chloride concentration measured at all locations installed during the previous off-site plume delineation events.

The results of this delineation event, combined with the results of the previous plume delineation events, demonstrate that the boundaries of the off-site contaminant plume, including the leading edge, have been defined. Therefore, Stoller proposes to install 4 continuous multichannel tubing (CMT) wells at the locations shown on Figure 1 to serve as permanent monitoring wells for the plume. Each CMT well will have three channels with screens at 9-18, 20-29, and 31-40 feet below land surface, covering the entire surficial aquifer.

Please contact me at (727) 549-1563, extension 202, if you have any questions or need additional information regarding the recent or proposed sampling events.

Sincerely,

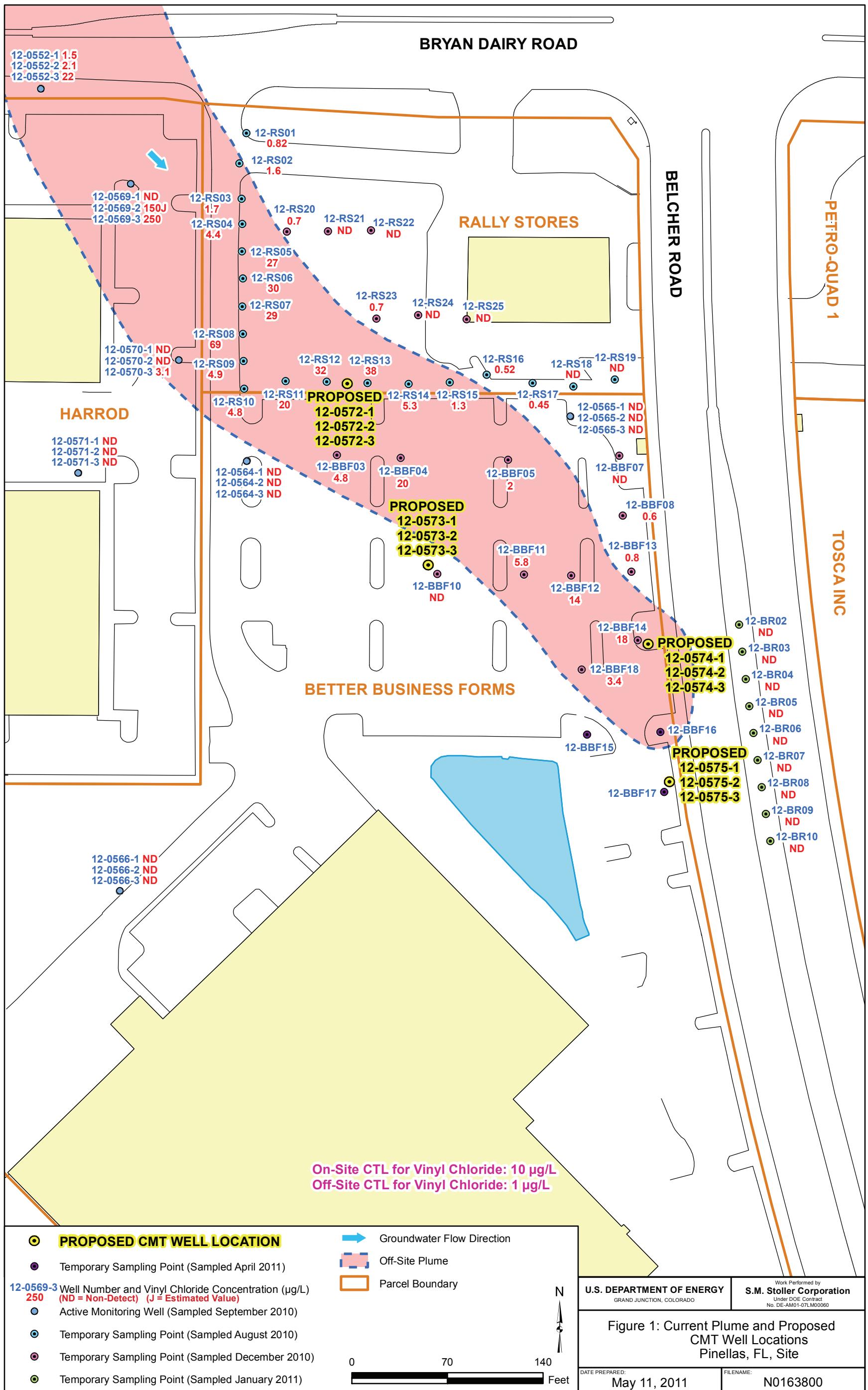
**Joseph H. Daniel**  
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government, ou=department of energy,  
headquarters, people  
Date: 2011.05.13 14:45:54 -04'00'

Joe Daniel, P.G., PMP  
Site Manager  
Pinellas Environmental Restoration Project

JD/fb

Enclosures (2)

cc: (electronic)  
Julian Caballero, Stoller  
Paul Darr, Stoller  
Yvonne Deyo, Stoller  
Ken Karp, Stoller  
Karl Lombardi, Stoller  
Charles Tabor, Stoller  
rc-pinellas  
File: PIN-410.02(A)



**Table 2. Contaminants of Potential Concern on Better Business Forms Property**  
*CTL exceedances are highlighted in yellow. Concentrations in micrograms per liter.*

Location	Depth (ft bbls)	Vinyl chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Trichloroethene
	CTL:	1	70	100	7	3
BBF03	16	<0.4	<0.15	<0.15	<0.23	<0.16
	24	0.41J	<0.15	<0.15	<0.23	<0.16
	28	4.8	<0.15	<0.15	<0.23	<0.16
	32	2.5	<0.15	<0.15	<0.23	<0.16
BBF04	24	6.2	2.6	<0.15	<0.23	<0.16
	28	20	27	0.48J	1.3	<0.16
	28 DUP	20	27	0.45J	1.2	<0.16
	32	3.3	0.92J	<0.15	<0.23	<0.16
BBF05	24	1.6	0.91J	<0.15	<0.23	<0.16
	28	2	1.4	<0.15	<0.23	<0.16
BBF07	16	<0.4	<0.15	<0.15	<0.23	<0.16
	24	<0.4	0.66J	0.17J	<0.23	<0.16
	28	<0.4	0.79J	0.24J	<0.23	<0.16
	32	<0.4	<0.15	<0.15	<0.23	<0.16
BBF08	16	<0.4	<0.15	<0.15	<0.23	<0.16
	20	<0.4	<0.15	<0.15	<0.23	<0.16
	24	0.6J	0.87J	0.31J	<0.23	<0.16
	24 DUP	0.61J	0.87J	<0.15	<0.23	<0.16
	28	<0.4	<0.15	<0.15	<0.23	<0.16
	32	<0.4	<0.15	<0.15	<0.23	<0.16
	36	<0.4	<0.15	<0.15	<0.23	<0.16
BBF10	24	<0.5	<0.65	<0.44	<0.45	<0.5
	28	<0.5	<0.65	<0.44	<0.45	<0.5
	28 DUP	<0.5	<0.65	<0.44	<0.45	<0.5
	32	<0.5	<0.65	<0.44	<0.45	<0.5
BBF11	20	0.44J	<0.15	<0.15	<0.23	<0.16
	24	4.2	1.1	<0.15	<0.23	<0.16
	28	5.8	0.42J	<0.15	<0.23	<0.16
	32	0.41J	<0.15	<0.15	<0.23	<0.16
BBF12	24	13	14	<0.44	<0.45	<0.5
	28	14	3	<0.44	<0.45	<0.5
	32	0.57J	0.73J	<0.44	<0.45	<0.5
BBF13	16	0.46J	0.48J	<0.15	<0.23	<0.16
	20	0.44J	0.53J	<0.15	<0.23	<0.16
	24	0.8J	0.97J	0.36J	<0.23	<0.16
	28	<0.4	0.39J	<0.15	<0.23	<0.16
	32	<0.4	<0.15	<0.15	<0.23	<0.16
BBF14	16	5.2	0.8J	<0.15	<0.23	<0.16
	20	16	18	0.4J	<0.23	<0.16
	24	18	24	<0.15	<0.23	<0.16
	24 DUP	16	21	<0.15	<0.23	<0.16
	28	8.4	5.9	0.33J	<0.23	<0.16
	32	0.63J	0.84J	<0.15	<0.23	<0.16
BBF15	8	<0.1	<0.15	<0.15	<0.23	<0.16
	12	<0.1	<0.15	<0.15	<0.23	<0.16
	16	<0.1	<0.15	<0.15	<0.23	<0.16
	20	<0.1	<0.15	<0.15	<0.23	<0.16
	24	<0.1	<0.15	<0.15	<0.23	<0.16
	28	0.78J	<0.15	<0.15	<0.23	<0.16
	32	<0.1	<0.15	<0.15	<0.23	<0.16

**Table 2. (continued) Contaminants of Potential Concern on Better Business Forms Property**  
*CTL exceedances are highlighted in yellow. Concentrations in micrograms per liter.*

Location	Depth (ft bls)	Vinyl chloride	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,1-Dichloroethene	Trichloroethene
BBF16	8	<0.1	<0.15	<0.15	<0.23	<0.16
	12	<0.1	<0.15	<0.15	<0.23	<0.16
	16	0.64J	<0.15	<0.15	<0.23	<0.16
	20	<0.1	<0.15	<0.15	<0.23	<0.16
	24	<0.1	<0.15	<0.15	<0.23	<0.16
	28	8.2	<0.15	<0.15	<0.23	<0.16
	32	<0.1	<0.15	<0.15	<0.23	<0.16
BBF17	8	<0.1	<0.15	<0.15	<0.23	<0.16
	12	<0.1	<0.15	<0.15	<0.23	<0.16
	16	<0.1	<0.15	<0.15	<0.23	<0.16
	20	<0.1	<0.15	<0.15	<0.23	<0.16
	24	<0.1	<0.15	<0.15	<0.23	<0.16
	24 DUP	<0.1	<0.15	<0.15	<0.23	<0.16
	28	0.33J	<0.15	<0.15	<0.23	<0.16
	32	<0.1	<0.15	<0.15	<0.23	<0.16
BBF18	16	<0.4	<0.15	<0.15	<0.23	<0.16
	20	2.1	<0.15	<0.15	<0.23	<0.16
	24	1.9	<0.15	<0.15	<0.23	<0.16
	28	3.4	<0.15	<0.15	<0.23	<0.16
	32	<0.4	<0.15	<0.15	<0.23	<0.16

ft bls = feet below land surface

J = estimated value between the detection limit and the reporting limit

DUP = duplicate sample