

**MILLER, CANFIELD, PADDOCK AND STONE, PLC**

**EXHIBIT C – DOCUMENTS**

**PACKET #12**



## Briseno, Theresa

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**From:** Davies, Mary Crosby [mcdavies@FTCH.com]  
**Sent:** Thursday, November 02, 2006 8:09 AM  
**To:** TAYLORAB@michigan.gov  
**Cc:** Lancaster Jr., James R.; Levine, Jaclyn Shoshana; Phillips, Thomas C.; Wiley, Ken  
**Subject:** MDEQ Splits

Al -

We will have D/F and PCOI split samples collected as of 11/1/06 ready for pickup tomorrow. Will you please let me know who will be picking the samples up and at approximately what time, so that we can have everything ready to roll when they arrive.

Our address is 1515 Arboretum Dr SE, Grand Rapids, MI. Judy Van Putten will be available to coordinate release of the samples. Her phone number is 616-464-3758.

Mary



## Briseno, Theresa

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**From:** Davies, Mary Crosby [mcdavies@FTCH.com]  
**Sent:** Tuesday, October 31, 2006 10:47 AM  
**To:** Lancaster Jr., James R.; Levine, Jaclyn Shoshana; Phillips, Brian D.  
**Subject:** Change in Parcel assignments.

See highlighted item below regarding stations E-08 and E-09.

Mary Crosby-Davies  
Senior Chemist

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**From:** Erik.Spande@CH2M.com [mailto:Erik.Spande@CH2M.com]  
**Sent:** Monday, October 30, 2006 11:34 AM  
**To:** Davies, Mary Crosby  
**Subject:** Dow Midland - sample coordination and update

Hi Mary,

We've started the PCOI sampling today. Here is an update of what to expect:

Sample volumes

Each station - PCOI, D&Fs for 0-1" and 1-6"; soil parameters at most 0-1" intervals

MS/MSD on all PCOI samples; standard for D&Fs and soil parameters

At each station you can expect to get 8 PCOI sample kits (4 for 0-1" and 4 for 1-6" intervals). Each PCOI kit is 1: 40ml w/methanol, 1 80ml for soil moisture, 1:4-oz for inorganics, and 1:8-oz for other organics.

So, for today (Monday) and tomorrow (Tuesday) most stations will consist of ~300 bottles (15 bottles for each of 0-1" and 1-6" intervals at each parcel).

E-09-11:

One parcel was moved from E-08 to E-09. The old version of the SAP (which is still not final) does not show this change. Therefore, E-08 has 13 parcels and E-09 has 11 parcels.

Contact for the week of November 6th

Who is my contact while you are on vacation?

Thx,  
Erik

Erik Spande  
Hydrogeologist  
CH2M HILL  
8501 West Higgins Rd., Ste. 300  
Chicago, IL 60631  
(773) 693-3800 ext 241  
fax (773) 693-3823  
e-fax (773) 693-4716  
espande@ch2m.com

9/21/2007

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**From:** Davies, Mary Crosby [mailto:mcdavies@FTCH.com]  
**Sent:** Friday, October 27, 2006 4:25 PM  
**To:** Spande, Erik/CHI  
**Subject:** RE: Sample Pickup

For some reason I was thinking of the co-locate locations the wrong way this AM. You have already completed a count of what is needed to meet the 10% criteria, so I need to submit all of them. Glad I asked.

Eric Kimber will be picking up samples on Monday AM and I estimate that he will arrive at the usual time - 10:30ish.

Have a good weekend.

Mary Crosby-Davies  
Senior Chemist

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**From:** Erik.Spande@CH2M.com [mailto:Erik.Spande@CH2M.com]  
**Sent:** Friday, October 27, 2006 4:04 PM  
**To:** Davies, Mary Crosby  
**Subject:** RE: Sample Pickup

Hi Mary,

We will want to collect at least 7 more stations for co-locate to get our ~10% of the total stations (which currently sits at 129 of 145). That means we'll have another day of co-located samples, and maybe a third depending on circumstances. One of them will be for PCOIs.

That's fine if you want to pick up on Monday AM. Same time? We will have 5 samples for you (what we collected on Friday). Our data manager isn't working on Saturday so we won't be able to log the samples we collect Saturday. I anticipate we'll have maybe 5 more samples on Saturday.

Thx,  
Erik

Erik Spande  
Hydrogeologist  
CH2M HILL  
8501 West Higgins Rd., Ste. 300  
Chicago, IL 60631  
(773) 693-3800 ext 241  
fax (773) 693-3823  
e-fax (773) 693-4716  
espande@ch2m.com

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**From:** Davies, Mary Crosby [mailto:mcdavies@FTCH.com]  
**Sent:** Friday, October 27, 2006 3:49 PM  
**To:** Spande, Erik/CHI

9/21/2007

**Subject:** RE: Sample Pickup

Hi Erik -

How many samples do you estimate you will have for Fri and Saturday combined? My inclination is to still pickup on Monday. I will be on a tight schedule next week with logging and shipping the PCOI stations by Thurs PM.

Just to confirm, you have completed all of the co-locate samples for the D/F only locations, correct?

Mary Crosby-Davies  
Senior Chemist

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**From:** Erik.Spande@CH2M.com [mailto:Erik.Spande@CH2M.com]

**Sent:** Friday, October 27, 2006 3:43 PM

**To:** Davies, Mary Crosby

**Subject:** RE: Sample Pickup

Hi Mary,

Are you still planning on pickup up daily next week? We will be collecting PCOIs mainly on Monday and Tuesday (7 stations each for MS/MSD+dups) and then 2 on Wednesday.

The samples from Wednesday and Thursday were picked up without incident. We are doing some sampling today and Saturday, but not much - were mainly in catch up mode after collecting samples in 64 parcels in the last week.

We will be having trouble getting the COCs for the samples collected Saturday. Would it be possible to have the samples from Friday and Saturday combined with those from Monday for a Tuesday pickup? If that isn't workable we can get you Friday's samples for pickup on Monday and include Saturday's in with Monday's.

Also, I'm including a separate sub-package of field log book copies for the equipment blanks. This way you won't have to search for them.

Lastly, we did find a typo on one of the COCs from 10/24: A-08-4-1 should be at 1452 (not 1442). [The original entry on the COC was correct]

Thanks!  
Erik

Erik Spande  
Hydrogeologist  
CH2M HILL  
8501 West Higgins Rd., Ste. 300  
Chicago, IL 60631  
(773) 693-3800 ext 241  
fax (773) 693-3823  
e-fax (773) 693-4716  
espande@ch2m.com

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**From:** Davies, Mary Crosby [mailto:mcdavies@FTCH.com]

**Sent:** Thursday, October 26, 2006 1:10 PM

9/21/2007

**To:** Spande, Erik/CHI  
**Subject:** RE: Sample Pickup

Excellent. We were on the same page.Thanks!

Mary Crosby-Davies  
Senior Chemist

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**From:** Erik.Spande@CH2M.com [mailto:Erik.Spande@CH2M.com]  
**Sent:** Thursday, October 26, 2006 1:07 PM  
**To:** Davies, Mary Crosby  
**Subject:** RE: Sample Pickup

Mary,

My plan was to consolidate the VOC samples - one per cooler for soil and the single EB VOC sample.

For the 10/24 EB, I'll have to ask the field team so we can get you that hardcopy.

I'll keep my eyes open for Mike ~10:30 am Friday.

Erik

Erik Spande  
Hydrogeologist  
CH2M HILL  
8501 West Higgins Rd., Ste. 300  
Chicago, IL 60631  
(773) 693-3800 ext 241  
fax (773) 693-3823  
e-fax (773) 693-4716  
espande@ch2m.com

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**From:** Davies, Mary Crosby [mailto:mcdavies@FTCH.com]  
**Sent:** Thursday, October 26, 2006 12:29 PM  
**To:** Spande, Erik/CHI  
**Subject:** Sample Pickup

Hi Erik:

Mike Ingersoll will be picking up samples tomorrow AM. Expect him around 10:30 AM. No problems with the samples I picked up yesterday.

In regard to the field notes, I would like a hard copy of the notes at the time of sample pickup.

I was wondering if you would be able to package the VOC samples collected next week during the PCOI event in one cooler per day? Otherwise, we will potentially be submitting a considerable number of blanks. Let me know what you think.

9/21/2007

Mary Crosby-Davies, Associate  
Senior Chemist  
FTC&H Environmental Services Department  
Phone 616.464.3749  
FAX 616.464.3992  
email [mcdavies@ftch.com](mailto:mcdavies@ftch.com)



## Briseno, Theresa

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**From:** Lancaster Jr., James R.  
**Sent:** Friday, October 13, 2006 2:50 PM  
**To:** 'nbush@midland-mi.org'; Phillips, Thomas C.; Levine, Jaclyn Shoshana  
**Cc:** Lancaster Jr., James R.  
**Subject:** FW: Midland Access Update - 10/13/06



Access\_Status  
map\_101306.pdf ...  
FYI

-----Original Message-----

**From:** Baker, Ben (BF) [mailto:bfbaker@dow.com]  
**Sent:** Friday, October 13, 2006 2:46 PM  
**To:** Allan B. Taylor (taylorab@michigan.gov); Lancaster Jr., James R.  
**Subject:** FW: Midland Access Update - 10/13/06

Subject: Midland Access Update - 10/13/06

CH2M Hill continued with phone calls and some door-to-door visits this past week and have received additional approvals. An updated map is attached. Phone calls and some door-to-door efforts will continue next week. We are planning on ending our broad based attempts to obtain additional license agreements on 10/20 since sampling will begin on 10/23. However, we will continue to pursue access to some key parcels through October. These include the City of Midland, Midland School District, Dow-Corning, and a few others.

#### PARCEL INFORMATION

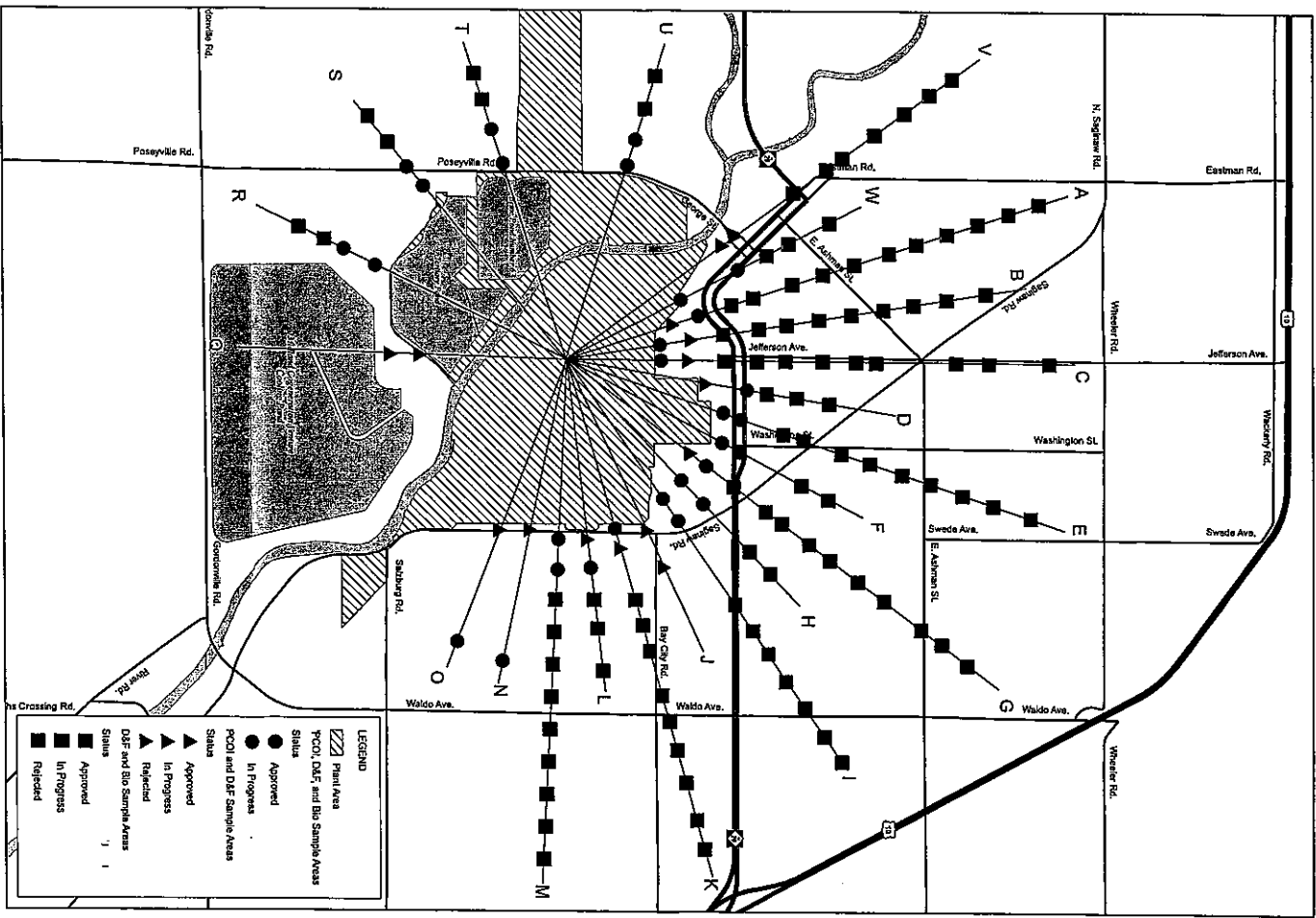
Total # of Parcels: 689  
Signed Agreements: 360  
Rejected Agreements: 37  
In-Progress: 292

#### SAMPLE STATION INFORMATION

Total # of Stations: 145  
Available for Sampling: 116  
Rejected Stations: 2  
In-Progress: 27

Please let me know if you have any questions.

Ben Baker



**DRAFT**

Figure 1  
Sample Area Status (13 Oct 2005)  
Madison State



## Briseno, Theresa

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**From:** Lancaster Jr., James R.  
**Sent:** Wednesday, September 27, 2006 1:11 PM  
**To:** 'Delores Montgomery'; kwiley@ftch.com; mcdavies@ftch.com  
**Cc:** George Bruchmann; Stephen Buda; Virginia Himich; Cheryl Howe; Jim Sygo; Allan Taylor; Phillips, Thomas C.; Levine, Jaclyn Shoshana  
**Subject:** RE: City of Midland Maps, Sampling design and Existing data

De: thanks for the follow up. We are looking very carefully at the "geostatistical proportionate areas" concept you proposed.

I cannot say we have an agreement on this approach as we need to obtain advise from Ken and Mary regarding how they would view this as working, what issues might arise, and to evaluate risks to our client's goal of assuring the blinding of the results so that they cannot be associated with stations or parcels so to create a unnecessary risk to property owners due to this information becoming publicly available. However, we have an open mind in considering this suggestion.

We expect to be in contact with you prior to the Friday meeting.

Jim.

James R. Lancaster  
Miller, Canfield, Paddock & Stone, PLC  
One Michigan Avenue, Suite 900  
Lansing, Michigan 48933

Direct: (517) 483-4905  
Mobile: (517) 285-4737  
Toll Free: (888) 487-2070  
Fax: (517) 374-6304

-----Original Message-----

**From:** Delores Montgomery [mailto:montgomd@michigan.gov]  
**Sent:** Wednesday, September 27, 2006 11:35 AM  
**To:** kwiley@ftch.com; mcdavies@ftch.com; Lancaster Jr., James R.  
**Cc:** George Bruchmann; Stephen Buda; Virginia Himich; Cheryl Howe; Jim Sygo; Allan Taylor  
**Subject:** City of Midland Maps, Sampling design and Existing data

Hello Jim, Ken and Mary,

In follow-up to yesterday's meeting, attached is an updated pdf of one the maps we were referring to regarding the sampling design and existing data (DEQ-'96 and '98, Dow-'98 and EPA '83 and '84). Please note, the Midland Soils Map/existing data with an earlier sampling design proposal will be sent with another e-mail due to the file size. Hopefully the maps will be of assistance to evaluate the proposed 'sample boxes and potential parcels within' in relation to the study area and some of the existing data (soils, land use, dioxin results, etc.).

As we had discussed yesterday, it is rather difficult to design a sampling plan to accommodate a number of differing purposes and needs. However, it did appear we had reached some conceptual agreement of identifying 'geostatistical proportionate areas' that would present 'multiple unassigned chemical data values' that could achieve some of the essential spatial data relationships and the property/data anonymity. It is our understanding that FTC&H will be pursuing this concept further.

I'm also including the DEQ's website so you can access maps and the actual reports----  
[http://www.michigan.gov/deq/0,1607,7-135-3308\\_21234\\_9847-43808--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3308_21234_9847-43808--,00.html) and scroll (down to Maps of Midland

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Area) and click on the bulleted item Summary of Midland Dioxin Samples which is at <http://www.deq.state.mi.us/documents/deq-whm-hw-dow-2005-06-10-midland-summary-map.pdf>. Again, hopefully this will provide some of the background info from which the proposed sampling design was based.

If you have any questions or need any other info, please call me at the number listed below.

DeLores (De) Montgomery, Unit Chief  
Technical Support Unit  
Hazardous Waste Section  
Waste and Hazardous Materials Division  
Michigan Dep't. of Environmental Quality  
[montgomd@michigan.gov](mailto:montgomd@michigan.gov)  
517-373-7973  
fax 517-373-4797



## Briseno, Theresa

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**From:** Lancaster Jr., James R.  
**Sent:** Wednesday, September 27, 2006 11:47 AM  
**To:** Phillips, Thomas C.; Levine, Jaclyn Shoshana  
**Subject:** FW: City of Midland Maps, Sampling design and Existing data



2006-09-27\_D-F-PC  
OI-Parcels.pd...

Tom, Shoshie: I just received this:

-----Original Message-----

**From:** Delores Montgomery [mailto:montgomd@michigan.gov]  
**Sent:** Wednesday, September 27, 2006 11:35 AM  
**To:** kwiley@ftch.com; mcdavies@ftch.com; Lancaster Jr., James R.  
**Cc:** George Bruchmann; Stephen Buda; Virginia Himich; Cheryl Howe; Jim Sygo; Allan Taylor  
**Subject:** City of Midland Maps, Sampling design and Existing data

Hello Jim, Ken and Mary,

In follow-up to yesterday's meeting, attached is an updated pdf of one the maps we were referring to regarding the sampling design and existing data (DEQ-'96 and '98, Dow-'98 and EPA '83 and '84). Please note, the Midland Soils Map/existing data with an earlier sampling design proposal will be sent with another e-mail due to the file size. Hopefully the maps will be of assistance to evaluate the proposed 'sample boxes and potential parcels within' in relation to the study area and some of the existing data (soils, land use, dioxin results, etc.).

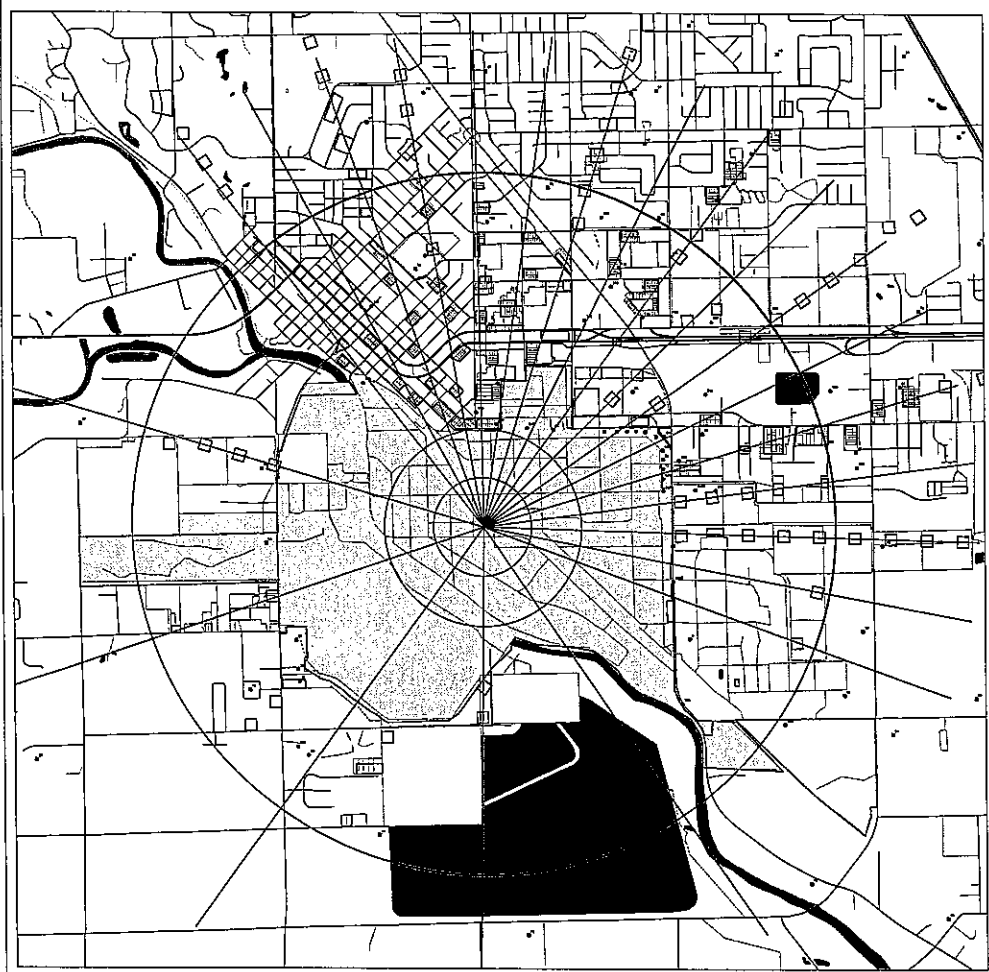
As we had discussed yesterday, it is rather difficult to design a sampling plan to accommodate a number of differing purposes and needs. However, it did appear we had reached some conceptual agreement of identifying 'geostatistical proportionate areas' that would present 'multiple unassigned chemical data values' that could achieve some of the essential spatial data relationships and the property/data anonymity. It is our understanding that FTC&H will be pursuing this concept further.

I'm also including the DEQ's website so you can access maps and the actual reports---  
[http://www.michigan.gov/deq/0,1607,7-135-3308\\_21234\\_9847-43808--,00.html](http://www.michigan.gov/deq/0,1607,7-135-3308_21234_9847-43808--,00.html) and scroll (down to Maps of Midland Area) and click on the bulleted item Summary of Midland Dioxin Samples which is at <http://www.deq.state.mi.us/documents/deq-whm-hw-dow-2005-06-10-midland-summary-map.pdf>. Again, hopefully this will provide some of the background info from which the proposed sampling design was based.

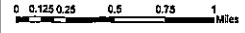
If you have any questions or need any other info, please call me at the number listed below.

DeLores (De) Montgomery, Unit Chief  
Technical Support Unit  
Hazardous Waste Section  
Waste and Hazardous Materials Division  
Michigan Dep't. of Environmental Quality  
montgomd@michigan.gov  
517-373-7973  
fax 517-373-4797

Dioxin/Furan/PCOI  
Proposed Sampling  
Plan Following the  
May 9, 2006 Working  
Meeting with DEQ and  
CH2M Hill



- Legend**
- 9400 Foot Radius
  - Downwind >6% of the time '87-91
  - Downwind < 5% of the time '87-91
  - 1320 and 2460 Foot Radii
  - R 299.9525 Deed Notices
  - Sampling Blocks
  - Parcels Under Blocks
    - 90 ppt or Higher
    - Less than 90 ppt
    - 90 ppt or Higher



Map Date as of February 27, 2007 by DMS



**Briseno, Theresa**

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**From:** Levine, Jaclyn Shoshana  
**Sent:** Friday, August 11, 2006 9:25 AM  
**To:** 'Baker, Ben (BF)'  
**Subject:** RE: Midland - QAPP for BSAP

Thanks Ben - I knew it was out there, but just couldn't find it. Shoshie

-----Original Message-----

**From:** Baker, Ben (BF) [mailto:bfbaker@dow.com]  
**Sent:** Thursday, August 10, 2006 7:43 PM  
**To:** Levine, Jaclyn Shoshana  
**Subject:** RE: Midland - QAPP for BSAP

Shoshie,

Attached is a copy of the QAPP referred to in the Midland work plan. It was part of the December 29, 2005 RIWP submittal to DEQ.

Ben

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**From:** Levine, Jaclyn Shoshana [mailto:levine@MillerCanfield.com]  
**Sent:** Thursday, August 10, 2006 2:16 PM  
**To:** Baker, Ben (BF)  
**Subject:** Midland - QAPP for BSAP

Ben -

I was wondering whether it would be possible to get a copy of the QAPP mentioned in the BSAP - it is referenced in the revised sampling and analysis plan you sent Tom as "CH2M Hill 2005c." I haven't found it online, but if it is out there, I'd appreciate being pointed in the right direction.

Thanks,  
Shoshie

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