

Appendix B

Field Forms

Attachment 2
Example - Sample label

Client _____

Project Number: _____

Date: _____ Time _____

Preservative: _____

Sampled By: _____

Sample Location: _____



Attachment 3
Custody Seal – if applicable

Custody Seal	
Date _____	Project _____
Signature _____	Container# _____ of _____

Attachment 4
Field Sampling Report



FIELD SAMPLING REPORT

Date:

Project:

Contact:

Barr Engineering Company
4700 W. 77th Street
Minneapolis, MN 55435-4803

Field Sampling

Field Report

Attachments:

-
-
-
-
-

Laboratory Analysis Status

<Name inserts here>
Environmental Technician

Document

Barr Engineering Company · 4700 W. 77th Street · Minneapolis, MN 55435-4803 · 952/832-2600

Attachment 5
Field Log Cover Sheet



**FIELD LOG COVER SHEET
WATER SAMPLING**

Client:

Project No.:

Technician:

Sampling Period:

Date	Temperature	Wind Speed	Wind Direction	Cloud Cover
------	-------------	------------	----------------	-------------

Summary of Field Activities

Document

Barr Engineering Company • 4700 W. 77th Street • Minneapolis, MN 55435-4863 • 952/832-2600

Attachment 6
Field Log Data Sheet



Barr Engineering Company
Field Log Data Sheet

Client:				Monitoring Point:			
Location:				Date:			
Project #:				Sample Time:			
GENERAL DATA				STABILIZATION TEST			
Barr lock:							
Casing diameter:		Time/ Volume	Temp. °C	Cond. @ 25	pH	Eh	D.O.
Total well depth:"							Turbidity Appearance
Static water level:"							
Water depth:"							
Well volume: (gall)							
Purge method:							
Sample method:							
Start time:		Odor:					
Stop time:		Purge Appearance:					
Duration: (minutes)		Sample Appearance:					
Rate, gpm:		Comments:					
Volume, purged:							
Duplicate collected?							
Sample collection by:		CO2-	Mn2-	Fe(T)-	Fe2-		
Others present:							
WELL INSPECTION (answer for each category, state if lock replaced, detail any repairs needed on back of form)							
CASING & CAP:		COLLAR:		LOCK:		OTHER:	
MW: groundwater monitoring well	WS: water supply well	SW: surface water	SE: sediment	other:			
VOC-	semi-volatile-	general-	nutrient-	cyanide-	DRD-	Sulfide-	
oil/grease-	bacteria-	total metal-	filtered metal-	methane-	filter-		
Others:							

*Measurements are referenced from top of riser pipe, unless otherwise indicated.

©2008 Formtech Field Log Data Sheet Inc.

Appendix C

Laboratory Certifications



Pre-approved Commercial Laboratories: Fixed Base and Mobile (Guidance Document 23)

Printable Version (PDF: 36 KB / 3 pages)

The following laboratories have submitted information requested on Minnesota Department of Agriculture (MDA) guidance document [GD24 Fixed Base Laboratory Quality Assurance/Quality Control Plans](#). The information has been reviewed and these labs can be used by contractors to perform analysis without submitting additional laboratory information. Pre-approved commercial laboratories have Quality Assurance/Quality Control Plans and methods on file with the Minnesota Department of Agriculture. The laboratories are listed below.

The pre-approved laboratories must use the methods that are approved and on file with the MDA. We have noted on the listing if a laboratory's reporting limit does not meet the program reporting limits required at most MDA Pesticide Clean-up sites. This list will be updated periodically.

If a contractor is considering using a laboratory not on the pre-approved list, the laboratory should submit the information required on MDA guidance document [GD24 Fixed Base Laboratory Quality Assurance/Quality Control Plans](#) at least two (2) months prior to analysis to allow MDA staff to review and approve the method.

The current [MDA List 1, 2, and 3](#) compounds are listed below. It is the responsibility of the contractor to insure that the correct compound list is analyzed and the site specific target compound reporting limits are met. **The pre-approved commercial laboratory program is not a certification program nor does MDA endorse any particular laboratory.** The MDA pesticide programs operate under EPA FIFRA guidelines.

The MDA also pre-approves mobile field methods for use on pesticide incident investigations and cleanups. Field or Mobile laboratories interested in becoming pre-approved must submit the information outlined in MDA guidance document [GD25 Mobile Laboratory Quality Assurance/Quality Control Plans](#) which can be found on the MDA web page.

List 1 Pesticides - (Neutrals)

1. Acetochlor (Harness/Surpass)
2. Alachlor (Lasso)
3. Atrazine (Aatrex)
4. Deethylatrazine
5. Deisopropylatrazine
6. Dimethenamid (Frontier)
7. Chlorpyrifos (Lorsban)
8. Cyanazine (Bladex)
9. EPTC (Eptam/Eradicane)
10. Ethalfluralin (Sonalan)
11. Fonofos (Dyfonate)
12. Metolachlor (Dual)
13. Metribuzin (Lexone/Sencor)
14. Pendimethalin (Prowl)
15. Phorate (Thimet)
16. Propachlor (Ramrod)
17. Prometon (Pramitol)
18. Propazine (Milogard)
19. Simazine (Princep)
20. Terbufos (Counter)
21. Triallate (Far-go)
22. Trifluralin (Treflan)

List 2 Pesticides - (Acids)

1. 2,4-D
2. 2,4-DB (Butyrac)
3. 2,4,5-T
4. 2,4,5-TP (Silvex)
5. Bentazon (Basagran)
6. Dicamba (Banvel)
7. MCPA
8. Picloram (Tordon)
9. Triclopyr (Garlon)

List 3 Pesticides - (Carbamates)

1. Aldicarb (total), including aldicarb sulfoxide, aldicarb sulfone, (Temik)
2. Carbaryl (Sevin)
3. Carbofuran (total), including 3-OH carbofuran, (Furadan)

Pre-Approved Fixed Base Commercial Laboratories and Methods

1. **Braun Intertec, Inc.**
11001 Hampshire Avenue South, Minneapolis, MN 55438, 952-995-2000
Contact: Bill Dahl, Project Manager, wdahl@braunintertec.com or Michelle Hubanks, QA, mhubanks@braunintertec.com

Pre-approved Analytical Methods: Status - Current
Soil: MDA List 1 • MDA List 2
Water: MDA List 1 • MDA List 2
2. **Environmental Chemistry Consulting Services, Inc. (ECCS)**
2525 Advance Road, Madison, WI 53718, 608-221-8700
Contact: Nick Nigro, Project Manager, nkn@eccsmobilelab.com or Greg Graf, QA, gjg@eccsmobilelab.com

Pre-approved Analytical Methods: Status - Current
Soil: MDA List 1 • MDA List 2 (not including MCPA) • MDA List 3
Water: MDA List 1 • MDA List 2 (not including MCPA) • MDA List 3
3. **Legend Technical Services**
88 Empire Drive, St. Paul, MN 55103, 651-642-1150
Contact: Terri Olson, Project Manager, tolson@Legend-group.com or Erica Nastrom, QA, enastrom@Legend-group.com

Pre-approved Analytical Methods: Status - Current
Soil: MDA List 1
Water: MDA List 1
4. **Midwest Laboratories, Inc.**
13611 B Street, Omaha, NE 68144, 402-334-7770
Contact: Jerome King, QA at jking@midwestlabs.com

Pre-approved Analytical Methods: Status - Current
Soil: MDA List 1 • MDA List 2 (not including MCPA)
Water: MDA List 1 • MDA List 2 (MCPA does not meet reporting limits requirements)
5. **Minnesota Valley Testing Laboratories, Inc. (MVTL)**
1126 North Front Street, New Ulm, MN 56073, 507-354-8517
Contact: Dan O'Connell, Project Manager, doconnell@mvtl.com or Mary Ann Baumgart, QA, mbaumgart@mvtl.com

Pre-approved Analytical Methods: Status - Current
Soil: MDA List 1 • MDA List 2
Water: MDA List 1 • MDA List 2

Pre-Approved Mobile Laboratories

1. **Environmental Chemistry Consulting Services, Inc. (ECCS)**

2525 Advance Road, Madison, WI 53718, 608-221-8700

Contact: Nick Nigro, Project Manager, nkn@eccsmobilelab.com or Greg Graf, QA, gig@eccsmobilelab.com

Pre-approved Analytical Screening Methods: Status - Current

Soil: Partial MDA List 1 (14 compounds only: acetochlor, alachlor, atrazine, deethylatrazine, deisopropylatrazine, cyanazine, EPTC, metolachlor, metribuzin, pendimethalin, prometon, propazine, simazine, trifluralin)

Status: Information in the laboratory's file is current for calendar year unless noted.

MDA Contact

Incident Response Program
651-201-6061 • Fax: 651-201-6112
Pesticide & Fertilizer Management Division

Minnesota Department of Agriculture
625 Robert Street North St. Paul, Minnesota 55155-2538

Contact MDA: 651-201-6000 ~ 1-800-967-2474 ~ TDD: 1-800-627-3529 ~ MDA.Info@state.mn.us ~ © 2009 MDA