

# **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

<b>Custody Seal</b>		
Date _____	Project _____	
Signature _____	Container# _____	of _____

Attachment 4  
Field Sampling Report



**FIELD SAMPLING REPORT**

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Date:

Project:

Contact:

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

**Field Sampling**

**Field Report**

Attachments:

- 
- 
- 
- 
- 

**Laboratory Analysis Status**

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<Name inserts here>  
Environmental Technician

Document 1

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Attachment 5  
Field Log Cover Sheet



**FIELD LOG COVER SHEET  
WATER SAMPLING**

**Client:**

**Project No.:**

**Technician:**

**Sampling Period:**

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<b>Date</b>	<b>Temperature</b>	<b>Wind Speed</b>	<b>Wind Direction</b>	<b>Cloud Cover</b>
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**Summary of Field Activities**

Document#

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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:		Time/ Volume	Temp. °C	Cond. @ 25	pH	Eh	D.O.	Turbidity Appearance
Casing diameter:								
Total well depth:*								
Static water level:*								
Water depth:*								
Well volume: (gall)								
Purge method:								
Sample method:								
Start time:		Color:						
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: ground water monitoring well		WS: water supply well		SW: surface water		SE: sediment		other:
VOC-	semi-volatile-	general-	nutrient-	cyanide-	DRO-	Sulfide-		
oil/grease-	bacteria-	total metal-	filtered metal-	methane-	filter-			
Others:								

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

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## **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](mailto:wdahl@braunintertec.com) or Michelle Hubanks, QA, [mhubanks@braunintertec.com](mailto: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](mailto:nkn@eccsmobilelab.com) or Greg Graf, QA, [gig@eccsmobilelab.com](mailto:gig@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](mailto:tolson@Legend-group.com) or Erica Nastrom, QA, [enastrom@Legend-group.com](mailto: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](mailto: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](mailto:doconnell@mvtl.com) or Mary Ann Baumgart, QA, [mbaumgart@mvtl.com](mailto: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](mailto:nkn@eccsmobilelab.com) or Greg Graf, QA, [gjg@eccsmobilelab.com](mailto:gjg@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)

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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](mailto:MDA.info@state.mn.us) ~ © 2009 MDA