50-02

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM

Fac/Perm/Co ID #	Date	Doc ID#
pw	06/12/92	DIN

For additional forms please write or call:

Division of Environmental Management
Groundwater Section
P.O. Box 27687
Raleigh, NC 27611-7687
(919)733-3221

Facility Name: Jackson (County of)
Address: 8 Ridgeway Street
Sylva, NC 28779
Well Location: Monitoring Well
Well Identification Number: MW-1A Well Depth ____ Ft.
Well Diameter ____ Sample (Screened) Interval ____ Ft. To ____ Ft.
Depth to Water Level 49.5 ft. below measuring point. (before sampling)
Measuring point is ____ feet above land surface
Gallons of water pumped/bailed before sampling ____

County ____
PERMIT NUMBER: (REQUIRED)
Non-Discharge ____
NPDES ____

RECEIVED JUN 26 1992

TYPE OF DISPOSAL OPERATION BEING MONITORED (REQUIRED)
- ___ Lagoon
- ___ Spray Field
- ___ Land Application of Sludge
- ___ Rotary Distributor
- ___ Septic Tank/Drain Field
- ___ Subsurface Low-Pressure Piping (LPP)
- Other ____

Field Analysis: pH 5.7 Specific Conductance 60 uMhos Temp. 16.0 °C Odor ____ Appearance ____
Date Sample Collected 5/14/92 Date Lab Sample Analyzed 5/15/92
Laboratory Name PACE, Incorporated Certification No. 40

COD	16 mg/l	NO_2 as N	mg/l	Ni - Nickel	mg/l
Coliform: MF Fecal	/100ml	NO_3 as N	0.23 mg/l	Pb - Lead	L 0.05 mg/l
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l	Zn - Zinc	0.029 mg/l
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	Pesticides/Herbicides (Specify Compounds)	
pH (when analyzed)	5.7 units	Ba - Barium	0.40 mg/l		ug/l
TOC	1.7 mg/l	Ca - Calcium	mg/l		ug/l
Chloride	1.6 mg/l	Cd - Cadmium	L 0.001 mg/l		ug/l
Arsenic	L 0.001 mg/l	Chromium: Total	L 0.02 mg/l	Other (Specify)	ug/l
Grease and Oils	mg/l	Cu - Copper	L 0.01 mg/l	BOD, 05 Day - 4.3	ug/l
Hardness: Total	mg/l	Fe - Iron	5.2 mg/l	Silver - L 0.01	ug/l
Phenol	mg/l	Hg - Mercury	0.0004 mg/l	Fluoride, Total - L 0.1	ug/l
Sulfate	2.4 mg/l	K - Potassium	mg/l		ug/l
Specific Conductance	60 uMhos	Mg - Magnesium	mg/l		ug/l
Total Ammonia(NH_3 + NH_4)	mg/l	Mn - Manganese	0.78 mg/l		
TKN as N	mg/l	Na - Sodium	mg/l		

RECEIVED JUN 16 1992 GROUNDWATER SECTION RALEIGH, NC

NOTE: Values should reflect dissolved concentrations (See #2. on reverse)

I CERTIFY THAT THIS REPORT IS TRUE AND ACCURATE.

Tom L. Massie 6/12/92
SIGNATURE OF PERMITTEE (OR AUTHORIZED AGENT*) DATE

* See back for instructions.
** Submit blue, green, and yellow copies only to address above.

AND ANALYSIS OF GROUNDWATER SAMPLES

1. Samples should be analyzed as soon as possible after collection. SAMPLES WHICH ARE NOT ANALYSED WITHIN THE HOLDING TIME SPECIFIED FOR THE METHOD USED (SEE #3 BELOW) MUST BE DISCARDED AND NEW SAMPLES COLLECTED.

2. ANALYSES ARE TO BE MADE OF THE CONSTITUENTS DISSOLVED IN THE GROUNDWATER, NOT THOSE THAT ARE A PART OF, OR ADSORBED ONTO, SOIL/SEDIMENT PARTICLES. CHECK WITH YOUR LABORATORY ON PROPER PROCEDURES FOR SAMPLE COLLECTION AND PRESERVATION.

3. As per Title 15, North Carolina Administrative Code, Subchapter 2L, analytical procedures shall be in accordance with the methods described in one of the following publications, or by other methods approved beforehand by the Director, Division of Environmental Management:

   (a) Standard methods for the Examination of Water and Wastewater, 16th Edition, 1985, published jointly by American Public Health Association, American Water Works Association and Water Pollution Control Federation;

   (b) Methods for Chemical Analysis of Water and Waste, 1979, U.S. Environmental Protection Agency publication number EPA-600/4-79-020, as revised March 1983;

   (c) Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods, 3rd Edition, 1986, U.S. Environmental Protection Agency publication number SW-846;

   (d) Test Procedures for the Analysis of Pollutants Under the Clean Water Act, Federal Register Vol. 49, No. 209, 40 CFR Part 136, October 26, 1984;

4. Measure and record the depth of water in the well prior to pumping or bailing any water from the well.

5. At least 3 volumes of water in the well should be pumped or bailed prior to collecting a sample for analysis. If the well is pumped/bailed dry before 3 well volumes are removed, samples can be collected as soon as the well recovers to the point where enough water is available to collect your sample.

6. Determination for pH, Specific Conductance, temperature, odor and appearance must be made in the field on unfiltered samples when the sample is collected.

7. Field equipment must be calibrated in accordance with recommendations by the manufacturer.

8. Samples must be filtered through a 0.45 micron filter immediately after collection when a dissolved analysis is required. (See #3, above).

9. The sample container should be labeled at the time of collection with the facility name, well identification number and date and time collected.

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM

Division of Environmental Management
Groundwater Section
P.O. Box 27687
Raleigh, NC 27611-7687
(919)733-3221

For additional forms please write or call:

Facility Name: Jackson (County of)
Address: 8 Ridgeway Street
Sylva, NC 28779
Well Location: Monitoring Well
Well Identification Number: Mw-3 Well Depth ____ Ft.
Well Diameter ____ Sample (Screened) Interval ____ Ft. To ____ Ft.
Depth to Water Level 27.5 ft. below measuring point. (before sampling)
Measuring point is ____ feet above land surface
Gallons of water pumped/bailed before sampling ____

County ____
PERMIT NUMBER: **(REQUIRED)**
Non-Discharge ____
NPDES ____

RECEIVED JUN 26 1992

TYPE OF DISPOSAL OPERATION BEING MONITORED **(REQUIRED)**

- ___ Lagoon
- ___ Spray Field
- ___ Land Application of Sludge
- ___ Rotary Distributor
- ___ Septic Tank/Drain Field
- ___ Subsurface Low-Pressure Piping (LPP)
- Other ____

Field Analysis: pH 5.8 Specific Conductance 40 uMhos Temp. 15.0 °C Odor ____ Appearance ____
Date Sample Collected 5/14/92 Date Lab Sample Analyzed 05/15/92
Laboratory Name PACE, Incoorporated Certification No. 40

COD	L 5.0 mg/l	NO_2 as N	____ mg/l	Ni - Nickel	____ mg/l
Coliform: MF Fecal	____ /100ml	NO_3 as N	0.31 mg/l	Pb - Lead	L 0.05 mg/l
Coliform: MF Total	____ /100ml	Phosphorus: Total as P	____ mg/l	Zn - Zinc	0.023 mg/l
Dissolved Solids: Total	____ mg/l	Al - Aluminum	____ mg/l	Pesticides/Herbicides (Specify Compounds)	
pH (when analyzed)	5.8 units	Ba - Barium	L 0.10 mg/l		____ ug/l
TOC	1.0 mg/l	Ca - Calcium	____ mg/l		____ ug/l
Chloride	1.6 mg/l	Cd - Cadmium	L 0.001 mg/l		____ ug/l
Arsenic	L 0.001 mg/l	Chromium: Total	L 0.02 mg/l	Other (Specify)	____ ug/l
Grease and Oils	____ mg/l	Cu - Copper	L 0.01 mg/l	BOD, 05 Day - L 1.0	____ ug/l
Hardness: Total	____ mg/l	Fe - Iron	0.67 mg/l	Silver - L 0.01	____ ug/l
Phenol	____ mg/l	Hg - Mercury	L 0.0002 mg/l	Fluoride, Total - L 0.1	____ ug/l
Sulfate	L 1 mg/l	K - Potassium	____ mg/l		____ ug/l
Specific Conductance	40 uMhos	Mg - Magnesium	____ mg/l		____ ug/l
Total Ammonia(NH_3 + NH_4)	____ mg/l	Mn - Manganese	L 0.11 mg/l		
TKN as N	____ mg/l	Na - Sodium	____ mg/l		

RECEIVED JUN 16 1992 GROUNDWATER SECTION RALEIGH, NC

NOTE: Values should reflect dissolved concentrations (See #2. on reverse)

I CERTIFY THAT THIS REPORT IS TRUE AND ACCURATE.

Tom L. Massey 6/12/92
SIGNATURE OF PERMITTEE (OR AUTHORIZED AGENT*) DATE

* See back for instructions.
** Submit blue, green, and yellow copies only to address above.

AND ANALYSIS OF GROUNDWATER SAMPLES

1. Samples should be analyzed as soon as possible after collection. SAMPLES WHICH ARE NOT ANALYSED WITHIN THE HOLDING TIME SPECIFIED FOR THE METHOD USED (SEE #3 BELOW) MUST BE DISCARDED AND NEW SAMPLES COLLECTED.

2. ANALYSES ARE TO BE MADE OF THE CONSTITUENTS DISSOLVED IN THE GROUNDWATER, NOT THOSE THAT ARE A PART OF, OR ADSORBED ONTO, SOIL/SEDIMENT PARTICLES. CHECK WITH YOUR LABORATORY ON PROPER PROCEDURES FOR SAMPLE COLLECTION AND PRESERVATION.

3. As per Title 15, North Carolina Administrative Code, Subchapter 2L, analytical procedures shall be in accordance with the methods described in one of the following publications, or by other methods approved beforehand by the Director, Division of Environmental Management:

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   (c) Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods, 3rd Edition, 1986, U.S. Environmental Protection Agency publication number SW-846;
   (d) Test Procedures for the Analysis of Pollutants Under the Clean Water Act, Federal Register Vol. 49, No. 209, 40 CFR Part 136, October 26, 1984.

4. Measure and record the depth of water in the well prior to pumping or bailing any water from the well.

5. At least 3 volumes of water in the well should be pumped or bailed prior to collecting a sample for analysis. If the well is pumped/bailed dry before 3 well volumes are removed, samples can be collected as soon as the well recovers to the point where enough water is available to collect your sample.

6. Determination for pH, Specific Conductance, temperature, odor and appearance must be made in the field on unfiltered samples when the sample is collected.

7. Field equipment must be calibrated in accordance with recommendations by the manufacturer.

8. Samples must be filtered through a 0.45 micron filter immediately after collection when a dissolved analysis is required. (See #3, above).

9. The sample container should be labeled at the time of collection with the facility name, [illegible] number and date and time collected.

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM

Division of Environmental Management
Groundwater Section
P.O. Box 27687
Raleigh, NC 27611-7687
(919)733-3221

For additional forms please write or call:

Facility Name: Jackson (County of)
Address: 8 Ridgeway Street
Sylva, NC 28779
Well Location: Monitoring Well
Well Identification Number: MW-4 Well Depth ____ Ft.
Well Diameter ____ Sample (Screened) Interval ____ Ft. To ____ Ft.
Depth to Water Level 28.0 ft. below measuring point. (before sampling)
Measuring point is ____ feet above land surface
Gallons of water pumped/bailed before sampling ____

County ____
PERMIT NUMBER: **(REQUIRED)**
Non-Discharge ____
NPDES ____

RECEIVED JUN 26 1992 Groundwater Section

TYPE OF DISPOSAL OPERATION BEING MONITORED **(REQUIRED)**

- ___ Lagoon
- ___ Spray Field
- ___ Land Application of Sludge
- ___ Rotary Distributor
- ___ Septic Tank/Drain Field
- ___ Subsurface Low-Pressure Piping (LPP)
- Other ____

Field Analysis: pH 5.2 Specific Conductance 190 uMhos Temp. 15.0 °C Odor ____ Appearance ____
Date Sample Collected 05/14/92 Date Lab Sample Analyzed 05/15/92
Laboratory Name PACE, Incorporated Certification No. 40

COD	14 mg/l	NO_2 as N	____ mg/l	Ni - Nickel	____ mg/l
Coliform: MF Fecal	____ /100ml	NO_3 as N	1.0 mg/l	Pb - Lead	L 0.05 mg/l
Coliform: MF Total	____ /100ml	Phosphorus: Total as P	____ mg/l	Zn - Zinc	0.043 mg/l
Dissolved Solids: Total	____ mg/l	Al - Aluminum	____ mg/l	Pesticides/Herbicides (Specify Compounds)	
pH (when analyzed)	5.2 units	Ba - Barium	2.0 mg/l		____ ug/l
TOC	3.3 mg/l	Ca - Calcium	____ mg/l		____ ug/l
Chloride	27 mg/l	Cd - Cadmium	L 0.001 mg/l		____ ug/l
Arsenic	L 0.001 mg/l	Chromium: Total	L 0.02 mg/l	Other (Specify)	____ ug/l
Grease and Oils	____ mg/l	Cu - Copper	L 0.01 mg/l	BOD, 05 Day - 13	____ ug/l
Hardness: Total	____ mg/l	Fe - Iron	2.1 mg/l	Silver - L 0.01	____ ug/l
Phenol	____ mg/l	Hg - Mercury	0.0008 mg/l	Fluoride, Total - L 0.1	____ ug/l
Sulfate	13 mg/l	K - Potassium	____ mg/l		____ ug/l
Specific Conductance	190 uMhos	Mg - Magnesium	____ mg/l		____ ug/l
Total Ammonia(NH_3 + NH_4)	____ mg/l	Mn - Manganese	2.9 mg/l		
TKN as N	____ mg/l	Na - Sodium	____ mg/l		

RECEIVED JUN 10 1992 GROUNDWATER SECTION RALEIGH, NC

NOTE: Values should reflect dissolved concentrations (See #2. on reverse)

I CERTIFY THAT THIS REPORT IS TRUE AND ACCURATE.

Tom L. Masse — 6/12/92
SIGNATURE OF PERMITTEE (OR AUTHORIZED AGENT*) — DATE

* See back for instructions.
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COLLECTION AND ANALYSIS OF GROUNDWATER SAMPLES

1. Samples should be analyzed as soon as possible after collection. SAMPLES WHICH ARE NOT ANALYZED WITHIN THE HOLDING TIME SPECIFIED FOR THE METHOD USED (SEE #3. BELOW) MUST BE DISCARDED AND NEW SAMPLES COLLECTED.

2. ANALYSES ARE TO BE MADE OF THE CONSTITUENTS DISSOLVED IN THE GROUNDWATER, NOT THOSE THAT ARE A PART OF, OR ADSORBED ONTO, SOIL/SEDIMENT PARTICLES. CHECK WITH YOUR LABORATORY ON PROPER PROCEDURES FOR SAMPLE COLLECTION AND PRESERVATION.

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9. The sample container should be labeled at the time of collection with the facility name, well identification number and date and time collected.

10. [illegible]

GROUNDWATER QUALITY MONITORING: COMPLIANCE REPORT FORM

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Groundwater Section
P.O. Box 27687
Raleigh, NC 27611-7687
(919)733-3221

MRO

For additional forms please write or call:

RECEIVED JUN 26 1992

Facility Name: Jackson (County of)
Address: 8 Ridgeway Street
Sylva, NC 28779
Well Location: Monitoring Well
Well Identification Number: MW-5 Well Depth ____ Ft.
Well Diameter ____ Sample (Screened) Interval ____ Ft. To ____ Ft.
Depth to Water Level 89.0 ft. below measuring point. (before sampling)
Measuring point is ____ feet above land surface
Gallons of water pumped/bailed before sampling ____

County ____
PERMIT NUMBER: **(REQUIRED)**
Non-Discharge ____
NPDES ____

TYPE OF DISPOSAL OPERATION BEING MONITORED **(REQUIRED)**

- ___ Lagoon
- ___ Spray Field
- ___ Land Application of Sludge
- ___ Rotary Distributor
- ___ Septic Tank/Drain Field
- ___ Subsurface Low-Pressure Piping (LPP)
- Other ____

Field Analysis: pH 5.9 Specific Conductance 20 uMhos Temp. 15.0 °C Odor ____ Appearance ____
Date Sample Collected 05/14/92 Date Lab Sample Analyzed 05/15/92
Laboratory Name PACE, Incorporated Certification No. 40

COD	10 mg/l	NO_2 as N	mg/l	Ni - Nickel	mg/l
Coliform: MF Fecal	/100ml	NO_3 as N	0.13 mg/l	Pb - Lead	L 0.05 mg/l
Coliform: MF Total	/100ml	Phosphorus: Total as P	mg/l	Zn - Zinc	0.013 mg/l
Dissolved Solids: Total	mg/l	Al - Aluminum	mg/l	Pesticides/Herbicides (Specify Compounds)	
pH (when analyzed)	5.9 units	Ba - Barium	L 0.10 mg/l		ug/l
TOC	1.0 mg/l	Ca - Calcium	mg/l		ug/l
Chloride	2.1 mg/l	Cd - Cadmium	L 0.001 mg/l		ug/l
Arsenic	L 0.001 mg/l	Chromium: Total	L 0.02 mg/l	Other (Specify)	ug/l
Grease and Oils	mg/l	Cu - Copper	L 0.01 mg/l	BOD, 05 Day - L 1.0	ug/l
Hardness: Total	mg/l	Fe - Iron	2.1 mg/l	Silver - L 0.01	ug/l
Phenol	mg/l	Hg - Mercury	L 0.0002 mg/l	Fluoride, Total - L 0.1	ug/l
Sulfate	L 1 mg/l	K - Potassium	mg/l		ug/l
Specific Conductance	20 uMhos	Mg - Magnesium	mg/l		ug/l
Total Ammonia(NH_3 + NH_4)	mg/l	Mn - Manganese	0.42 mg/l		
TKN as N	mg/l	Na - Sodium	mg/l		

RECEIVED JUN 16 1992 GROUNDWATER SECTION RALEIGH, NC

NOTE: Values should be dissolved concentrations (See #2. on reverse)

I CERTIFY THAT THIS REPORT IS TRUE AND ACCURATE.

Tom L. Messer 6/12/92
SIGNATURE OF PERMITTEE (OR AUTHORIZED AGENT*) DATE

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