

TENNESSEE GAS PIPELINE COMPANY  
COMPRESSOR STATION 254  
NASSAU, NEW YORK

O&M ACTIVITY LOG FORM

Personnel Performing O&M Activity

L.H. Grobert, M.S. Beckee

Date:

8/21/02



Drainline A Excavation – Provide Description of Activity (include sketch as attachment)

NO ACTIVITY

Drainline Component Removed? (Yes/No) (No)

Drainline Component and Surrounding Soil Disposed? (Yes/No) (Attach Manifest) (No)

Repairs Made to Exposed Drainlines? (Yes/No) Describe: (No)



Air Receiver Tank Cap Excavation – Provide Description of Activity (include sketch as attachment)

CAP NOT DISTURBED

Excavation Below Cap Performed? (Yes/No) (No)

Excavated Materials Disposed Off-Site? (Yes/No) (Attach Manifest) (No)

Cap Restored to Original Condition? (Yes/No) Describe: N/A



Drainage Area A Inspection – Rip-Rap Providing Adequate Erosion Protection? (Yes)/No

Repairs Made? (Yes/No) Describe: (No)

NO CHANGES



Service Road Area – Areal Coverage and Thickness of Stone Layer Adequate? (Yes)/No

Repairs Made? (Yes/No) Describe: (No)

NO CHANGES



Groundwater Monitoring – Groundwater Sampling Performed? (Yes)/No (Attach Summary Report and Analytical Results) 6/14/02



Surface Water Monitoring – Surface Water Sampling Performed? (Yes/No) (Attach Summary Report and Analytical Results) ONE-TIME SAMPLE COMPLETED ON 4/30/97

**DRUM DISPOSAL  
STATION 254  
Nassau, New York**

<b>Drum #</b>	<b>Well Number</b>	<b>Detected Compounds</b>	<b>Suggested Disposal Method</b>
254-MW03-01	MW03	No Detections	Pour Out Contents and Reuse Drum

**FACSIMILE TRANSMISSION COVER SHEET**

***Eco-Systems, Inc.***  
*Consultants, Engineers, and Scientists*



17171 Park Row, Suite 120 · Houston, Texas 77084 · Phone (281) 646-1886 · Fax (281) 646-1176

**TO: Larry Grebert**  
**COMPANY: TGPL Station 254**  
**FAX NUMBER: 518-766-3626**  
**PHONE NUMBER: 518-766-3611**  
**CC:**

**FROM: Misti Stocker**  
**DATE: June 26, 2002**  
**PAGES, INCLUDING COVER: 2**  
**ORIGINAL TO FOLLOW: No**

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Attached, please find the drum report for the June 2002 Groundwater Sampling event at Station 254. If you have any questions please call me at 850-656-9609 or David Boylan at 281-646-1886.

Thank you.



Misti Stocker

# Eco-Systems, Inc.

Consultants, Engineers, and Scientists



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## DRUM INVENTORY TRACKING RECORD

**Project Name:** El Paso Energy Groundwater Program  
**Location:** Tennessee Gas Compressor Station  
**Collector:** DAVID HEAD

Identification Number	Date Generated	Content Origin	Quantity	Drum Contents	Comments
25A-MW03-01	6/14/02	MW3	~7 gal	Purge water	

An analysis will be performed on the samples and the results will be sent to your office within one month. At that time, recommendations for disposal will be given. If you have any questions, please feel free to call us at (281) 646-1886.

Thank you,

## FACSIMILE TRANSMISSION COVER SHEET

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**TO: Larry Grebert**  
**COMPANY: TGPL 254**  
**FAX NUMBER: (518) 766-3626**  
**PHONE NUMBER: (518) 766-3611**  
**CC: Eco-Systems, Houston**

**FROM: Misti Stocker**  
**DATE: May 28, 2002**  
**PAGES, INCLUDING COVER: 1**  
**ORIGINAL TO FOLLOW: No**

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**EcoSystems plans to conduct groundwater monitoring activities at Tennessee Gas Pipeline New York Station 254. A tentative schedule is outlined below.**

<u><b>TGPL Station</b></u>	<u><b>Monitoring Activity</b></u>	<u><b>Tentative Schedule</b></u>
254 -- Nassau, NY	Sampling Activities	June 13-14, 2002

**If you have any questions, please feel free to call me at (850) 656-9690 or David Boylan at (281) 646-1886.**

**Thank you,**

**Misti Stocker**

5/29/02

per Misti -

Talked w/ NYS DEC today  
 regarding closing monitoring well

**Chain of  
Custody Record**

STL-4124 (1200)  
 Client: **ECO-SYSTEMS**  
 Address: **17171 PARK ROW #120 HOUSTON TX 77084**  
 City: **HOUSTON**  
 Project Name and Location (State): **STATION 254 NEW YORK**  
 Contract/Purchase Order/Quote No.: **ELP97-760**  
 Project Manager: **RODNEY SARTOR**  
 Telephone Number (Area Code)/Fax Number: **(281) 646 1886 / (281) 646 1176**  
 Site Contact: **(281) 646 1886 / (281) 646 1176**  
 Carrier/Waybill Number: **83597773 9321**  
 Date: **6-14-02**  
 Lab Number: **608**  
 Chain of Custody Number: **098985**  
 Page: **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt	
			Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNOS	HCl	NaOH			ZnAc
254-MW03-F-061402	6-14-02	911	✓					6						
254-MW3F-F-061402	6-14-02	911	✓					2						
254-PD1-F-061402	6-14-02	911	✓					2						
254-RS1-F-061402	6-14-02	945	✓					2						

Possible Hazard Identification  
 Non-Hazard  Flammable  Skin Irritant  Polson B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  Disposal By Lab (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required  
 24 Hours  48 Hours  7 Days  14 Days  21 Days  Other \_\_\_\_\_

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

**SAMPLES DELIVERED ON WATER ICE 4°C**

# Eco-Systems, Inc.

Consultants, Engineers, and Scientists



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## DRUM INVENTORY TRACKING RECORD

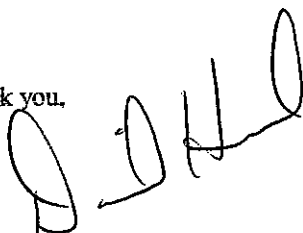
Project Name: El Paso Corporation Groundwater Program

Location: Station ~~291~~ <sup>254</sup> - Jaffray, NY Nassau, NY

Collector: David Head

Identification Number	Date Generated	Content Origin	Quantity	Drum Contents	Comments
254-MWD3-01	5/13/03	MWS	~1/2 full	soil cuttings + cement debris	Non Hazardous
254-MWD3-02	"	"	~1/2 full	"	"

An analysis will be performed on the samples and the results will be sent to your office within one month. At that time, recommendations for disposal will be given. If you have any questions, please feel free to call us at (281) 646-1886.

Thank you,  


FACSIMILE TRANSMISSION COVER SHEET

**Eco-Systems, Inc.**  
*Consultants, Engineers, and Scientists*



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✓ TO: Larry Grebert  
COMPANY: TGPL 254  
FAX NUMBER: (518) 766-3626  
PHONE NUMBER: (518) 766-3611  
CC: Eco-Systems, Inc., Houston, TX

FROM: Brad Marler  
DATE: April 23, 2003  
PAGES, INCLUDING COVER: 1  
ORIGINAL TO FOLLOW: No

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Eco-Systems, Inc. plans to plug and abandon Monitoring Well MW-3 at Tennessee Gas Pipeline Company (TGPL) Compressor Station 254 located in Nassau, New York. A tentative schedule is outlined below.

TGPL Station  
254 – Nassau, NY

Monitoring Activity  
Plug and Abandonment

Tentative Schedule  
May 13, 2003

If you have any questions, please feel free to call me or David Boylan at (281) 646-1886.

Thank you,

*Brad Marler*

Brad Marler



August 12, 2003

Mr. Gerald Rider  
Chief, Operation and Maintenance Section  
Bureau of Hazardous Site Control  
Division of Environmental Remediation  
625 Broadway  
11th Floor  
Albany, New York 12233

**RE: Monitoring Well Abandonment – May 2003  
Tennessee Gas Pipeline – Compressor Station 254  
Nassau, New York, Site ID #411006**

Dear Mr. Rider:

Tennessee Gas Pipeline (TGPL) is pleased to submit this report documenting the abandonment of Monitoring Well MW-3 at TGPL's Compressor Station 254 located in Nassau, New York. As recommended by TGPL in the letter report entitled, Letter Report – June 2002 Groundwater Sampling Results – Year Six<sup>1</sup>, and in response to the New York State Department of Environmental Conservation (NYSDEC) letter entitled, Petition to Reclassify<sup>2</sup>, Monitoring Well MW-3 was abandoned on May 13, 2003. Nothnagle Drilling, Inc., of Scottsville, New York, performed all activities associated with the well abandonment, under the direct supervision of an Eco-Systems geologist.

The depth to water and total depth of Monitoring Well MW-3 were measured and recorded prior to commencement of abandonment activities. The protective casing and concrete pad were then removed. A CME 85 truck-mounted drill rig using 4.25-inch inner diameter hollow-stem augers was used to over drill the well to a depth of 28 feet below the ground surface. After drilling was completed, the well casing and screen were raised through the center of the augers. The augers were then removed from the borehole, and the borehole was pressure-grouted with a cement-bentonite grout mixture using a tremie pipe placed at total depth until the grout mixture reached the ground surface. Eco-Systems' *Monitoring Well Plugging and Abandonment Field Observations* form is included as an attachment.

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<sup>1</sup> Eco-Systems, July 18, 2002

<sup>2</sup> NYSDEC, September 17, 2002

The abandonment of Monitoring Well MW-3 is the final field activity associated with the groundwater monitoring program at TGPL Compressor Station 254. If you have any questions or require additional information, please do not hesitate to contact David Boylan of Eco-Systems at (281) 646-1886, or me at (832) 676-7351.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Ian Yanagisawa', with a stylized flourish at the end.

Ian Yanagisawa, P.E.  
Principal Environmental Engineer

Attachment

cc: Steve Morawski, TGPL-Northern Division  
Mark Mateunas, NYSDEC - Region 4  
Larry Grebert, TGPL Compressor Station 254  
Eco-Systems Central File  
Jim Connors, Eco-Systems

**ATTACHMENT**



## Monitoring Well Plugging and Abandonment Field Observations

Project Name: TGPL COMPRESSOR STATION 254 Date: 5/13/03  
 Client: EL PASO CORPORATION Project No.: ELP97-760  
 Drilling Company: NOTHNAGLE DRILLING, INC. Station No./Monitoring Well No.: STATION 254 / MW-3  
SCOTSVILLE, NEW YORK

### Physical Information

Monitoring Well Diameter (in.): 2" Well Condition: GOOD CONDITION  
 Monitoring Well Casing Stickup Above Ground Surface (ft.): 3'  
 Measured Water Level (ft. below top of casing): 18.85'  
 Measured Total Depth (ft. below top of casing): 30.95'  
 Surface Completion Type (pad with guard post / pad / flush mount with manhole cover): PAD WITH STEEL, UPRIGHT, LOCKING WELL COVER

### Drilling Information

Hollow Stem Auger Diameter (in.): 4.25"ID / 8.25"OD  
 Drilling Start / Finish Time: 1210 / 1250  
 Depth Drilled (ft.): 28'  
 Approximate Length of Casing Removed (ft.): 28'  
 Was All Casing Removed? (yes / no) YES  
 • If not, depth below ground surface casing left in place (\_\_\_\_ ft to \_\_\_\_ ft) NA  
 • Type of slots cut in casing left in place (vertical / horizontal) / Frequency: NA  
 Well Casing / Screen Material: STAINLESS STEEL  
 Additional Comments / Observations: \_\_\_\_\_

### Sealing Information

Grouting Start / Finish Time: 1130/1144  
 Method of Grout Placement: TREMI PIPE

Depth Below Ground Surface (ft.)	Type of Grout	Mix Ratio	Quantity of Materials Used (bags)	Unit Weight (lbs/gal)
FROM 28' TO 0'	CEMENT/BENTONITE	1 BAG: 10 GAL	5 - 94 LB. BAGS CEMENT / 1 - 50 LB. BAG BENTONITE	9.5

Additional Comments / Observations: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Eco-Systems, Inc. Observer: 