GW - 339

INSPECTIONS & DATA

2001

amec

Jack Ford
"Santa Fe
District"

December 21, 2001
AMEC Project No. 1-517-000088

Mr. Mark Bareta
Williams Field Services
188 CR 4900
Bloomfield, New Mexico 87413

GW-339

RE: Drain Line Testing
Williams Field Services Estancia NGL Pump Station
Torrance County, New Mexico

Dear Mr. Bareta,

AMEC Earth & Environmental, Inc. (AMEC) is pleased to provide Williams Field Services (WFS) with results of hydrostatic testing for the subsurface, non-pressurized, process and wastewater drain system at the WFS Estancia NGL Pump Station located in rural Torrance County, New Mexico. Only subsurface, non-pressurized process and wastewater lines were tested according to the facilities' Oil Conservation Division (OCD) Ground Water Discharge Plan requirements.

AMEC mobilized to the site and began drain line testing activities on November 16, 2001. The work was completed on November 20, 2001. AMEC's on-site crew consisted of Bruce Hare (Site Supervisor) and a 3-man field crew.

The underground pipelines carrying process or wastewater were isolated. Each isolated system was filled with clean water and air was removed. A water-filled riser of sufficient height was used to provide a minimum of 3 pounds per square inch above normal operating pressure (all risers were at least 8-feet in height). A system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes. Any leaks encountered were repaired and the system was re-tested until the passing criteria described above was met.

Details of each drain line tested are summarized in the attached Pressure Test Reports.

In keeping with WFS's policy, along with AMEC's own internal Health and Safety policies, AMEC's on-site employees attended daily safety meetings.

AMEC Earth & Environmental, Inc.
2060 Afton Place
Farmington, New Mexico, USA
Tel 1+505-327-7928
Fax 1+505-326-5721
www.amec.com

Williams Field Services
Drain Line Testing-Estancia NGL Pump Station
Phase 5, Task 27
December 21, 2001

AMEC appreciates the opportunity to perform these services at the Estancia NGL Pump Station for WFS. Should you have any questions, please feel free to contact our office at 327-7928.

Respectfully submitted,

AMEC Earth & Environmental, Inc.

Robert Thompson
Project Manager

Attachments: Daily Summary of Line Testing

Copies: Addressee (3)

Hydrostatic Line Testing Form

amec

AMEC Project Number: 151700088 **Client:** Williams Field Services

Task: 27 **Facility Name:** Estancia Station

Test Description: Hydrostat with Water

System Description: 3" & 4" Sch 40 PVC

Test Medium: Water **Test Pressure:** 3 PSI **Test Date:** 11-19-01

Test Requirements: Hydrostatic pressure test on all underground process/wastewater pipelines in accordance with the State of New Mexico, Energy, Minerals, and Natural Resources Department - Oil Conservation Division Best Management Practices minimum requirements. Perform a hydrostatic pressure test on underground process/wastewater pipelines at 3 pounds per square inch for a period of one hour.

Test Data:

Start	Stop	Pressure	Pass/Fail	Lines Tested
Hio 5P		90" wc	PASS	Units 1,2,3 & 4 To Main Line.
				Methanol Berm To Main Line.
				Main Line To Waste water Storage
				Tank.

Review and Approvals:

Bruce Hare	Bruce Hare	11-19-01
AMEC Representative Signature	**Printed Name**	**Date**
Joe Neel	Joe Neel	11-19-01
Client Representative Signature	**Printed Name**	**Date**

December 21, 2001
AMEC Project No. 1-517-000088

Mr. Mark Bareta
Williams Field Services
188 CR 4900
Bloomfield, New Mexico 87413

GW-336

RE: Drain Line Testing
Williams Field Services Duran NGL Pump Station
Torrance County, New Mexico

Dear Mr. Bareta,

AMEC Earth & Environmental, Inc. (AMEC) is pleased to provide Williams Field Services (WFS) with results of hydrostatic testing for the subsurface, non-pressurized, process and wastewater drain system at the WFS Duran NGL Pump Station located in rural Torrance County, New Mexico. Only subsurface, non-pressurized process and wastewater lines were tested according to the facilities' Oil Conservation Division (OCD) Ground Water Discharge Plan requirements.

AMEC mobilized to the site and began drain line testing activities on November 20, 2001. The work was completed on November 21, 2001. AMEC's on-site crew consisted of Bruce Hare (Site Supervisor) and a 3-man field crew.

The underground pipelines carrying process or wastewater were isolated. Each isolated system was filled with clean water and air was removed. A water-filled riser of sufficient height was used to provide a minimum of 3 pounds per square inch above normal operating pressure (all risers were at least 8-feet in height). A system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes. Any leaks encountered were repaired and the system was re-tested until the passing criteria described above was met.

Details of each drain line tested are summarized in the attached Pressure Test Reports.

In keeping with WFS's policy, along with AMEC's own internal Health and Safety policies, AMEC's on-site employees attended daily safety meetings.

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Williams Field Services
Drain Line Testing-Duran NGL Pump Station
Phase 5, Task 28
December 21, 2001

AMEC appreciates the opportunity to perform these services at the Duran NGL Pump Station for WFS. Should you have any questions, please feel free to contact our office at 327-7928.

Respectfully submitted,

AMEC Earth & Environmental, Inc.

Robert Thompson
Project Manager

Attachments: Daily Summary of Line Testing

Copies: Addressee (3)

Hydrostatic Line Testing Form

amec

AMEC Project Number: 15170000088 **Client:** Williams Field Services

Task: 28 **Facility Name:** Duran Station

Test Description: Hydrostat with Water

System Description: 3"+4" sch. 40 PVC

Test Medium: Water **Test Pressure:** 3 PSI **Test Date:** 11-21-01

Test Requirements: Hydrostatic pressure test on all underground process/wastewater pipelines in accordance with the State of New Mexico, Energy, Minerals, and Natural Resources Department - Oil Conservation Division Best Management Practices minimum requirements. Perform a hydrostatic pressure test on underground process/wastewater pipelines at 3 pounds per square inch for a period of one hour.

Test Data:

Start	Stop	Pressure	Pass/Fail	Lines Tested
9:00A	10:15A	9"wc	PASS	Units 1,2,3,4,&5 To Main Line.
				Methanol Berm To Main Line.
				Main Line To waste water storage
				Tank.

Review and Approvals:

Bruce Hare	Bruce Hare	11-21-01
AMEC Representative Signature	Printed Name	Date
Rick Reynolds	Rick Reynolds	11-21-01
Client Representative Signature	Printed Name	Date

December 21, 2001
AMEC Project No. 1-517-000088

GW-340

Mr. Mark Bareta
Williams Field Services
188 CR 4900
Bloomfield, New Mexico 87413

RE: Drain Line Testing
Williams Field Services Edgewood NGL Pump Station
Santa Fe County, New Mexico

Dear Mr. Bareta,

AMEC Earth & Environmental, Inc. (AMEC) is pleased to provide Williams Field Services (WFS) with results of hydrostatic testing for the subsurface, non-pressurized, process and wastewater drain system at the WFS Edgewood NGL Pump Station located in rural Santa Fe County, New Mexico. Only subsurface, non-pressurized process and wastewater lines were tested according to the facilities' Oil Conservation Division (OCD) Ground Water Discharge Plan requirements.

AMEC mobilized to the site and began drain line testing activities on November 14, 2001. The work was completed on November 16, 2001. AMEC's on-site crew consisted of Bruce Hare (Site Supervisor) and a 3-man field crew.

The underground pipelines carrying process or wastewater were isolated. Each isolated system was filled with clean water and air was removed. A water-filled riser of sufficient height was used to provide a minimum of 3 pounds per square inch above normal operating pressure (all risers were at least 8-feet in height). A system was considered passing or non-leaking when the height of the water column held steady for a period of 60 minutes. Any leaks encountered were repaired and the system was re-tested until the passing criteria described above was met.

Details of each drain line tested are summarized in the attached Pressure Test Reports.

In keeping with WFS's policy, along with AMEC's own internal Health and Safety policies, AMEC's on-site employees attended daily safety meetings.

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Williams Field Services
Drain Line Testing-Edgewood NGL Pump Station
Phase 5, Task 26
December 21, 2001

AMEC appreciates the opportunity to perform these services at the Edgewood NGL Pump Station for WFS. Should you have any questions, please feel free to contact our office at 327-7928.

Respectfully submitted,

AMEC Earth & Environmental, Inc.

Robert Thompson
Project Manager

Attachments: Daily Summary of Line Testing

Copies: Addressee (3)

Hydrostatic Line Testing Form

amec

AMEC Project Number: 15170000 88 **Client:** Williams Field Services

Task: 26 **Facility Name:** Edgewood Station

Test Description: Hydrostat with water

System Description: 3"+4" pvc To Underground Tank

Test Medium: Water **Test Pressure:** 3 PSI **Test Date:** 11-15-01

Test Requirements: Hydrostatic pressure test on all underground process/wastewater pipelines in accordance with the State of New Mexico, Energy, Minerals, and Natural Resources Department - Oil Conservation Division Best Management Practices minimum requirements. Perform a hydrostatic pressure test on underground process/wastewater pipelines at 3 pounds per square inch for a period of one hour.

Test Data:

Start	Stop	Pressure	Pass/Fail	Lines Tested
2:30P	3:45P	94" WC	PASS	#1,2&3 Turbin & pump Drains To main Line, Methanol Tank Berm To main Line Main Line To Blockvalve at waste water Tank.

Review and Approvals:

Bruce Hare	Bruce Hare	11-15-01
AMEC Representative Signature	Printed Name	Date
Joe F. Frazzini	Joe Frazzini	15 Nov 01
Client Representative Signature	Printed Name	Date