

PV Inspection Detail

Data transfer 08/28/2002

District:	CONVENTIONAL	Inspection Date:	11/27/2001
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

ATTACHED PSV

Side	Connected	Tag #	Next Service Yr	Serial #	CRN	MMS Equip #	Status	Set Pressure (kPa)
Shell	08/28/2002	CLL-DEHY-PSV-910		100519	0G2606.5C		OUT OF SERVICE	172

INSPECTION

Methods: VE	Suitable For Service: N
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
VE	11/27/2001		PAUL GORMAN		

PV Inspection Detail

UT INSPECTION

District:	CONVENTIONAL	Inspection Date:	05/01/2002
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
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INSPECTION

Methods: UT	Suitable For Service: N
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
UT	05/01/2002		JOHN OLIVER		

PV Inspection Detail

EXTERNAL INSPECTION

District:	CONVENTIONAL	Inspection Date:	11/26/2001
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

ATTACHED PSV

Side	Connected	Tag #	Next Service Yr	Serial #	CRN	MMS Equip #	Status	Set Pressure (kPa)
Shell	08/28/2002	CLL-DEHY-PSV-910		100519	0G2606.5C		OUT OF SERVICE	172

INSPECTION

Methods: VE	Suitable For Service: Y
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

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INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
VE	11/26/2001		PAUL GORMAN		

DETAILED OBSERVATIONS

This vessel was inspected by MTL Inspection Group Inc. at "Clyde Lake 08-09-72-09 W4M".

External Condition (Reboiler):
The reboiler is insulated.

External Condition (Accumulator):
The external surface is in good condition. The paint is good condition with no evidence of corrosion. The pressure retaining welds are intact and reveal no signs of deterioration or visible cracking.

Insulation Condition (Reboiler):
The cladding and insulation is in good condition.

Instrumentation Condition:
The associated instrumentation is in good working order.

Internal Condition:
There is no internal access available.

Nozzle Condition:
The nozzles appear to be in good condition with no leaks or surface corrosion noted.

Flange Condition:
All associated flange and bolting are intact and show no evidence of deterioration, visible cracking, process leaks or corrosion.

External Piping Condition:
The piping is painted. The paint is in good condition with no evidence of corrosion. The associated flange bolting and gaskets are in place and appear to be tight. The associated pressure welds are intact and show no signs of deterioration or visible cracking.

Pipe Support Condition:

DETAILED OBSERVATIONS

The associated pipe supports are in good mechanical condition with no evidence of any mechanical damage or degradation.

Firetube and Stack Condition:

The burner assembly is straight and the attachment welds are sound. The stack is in good condition.

Vessel Support Condition:

The vessel is welded to a saddle. The saddle is bolted to the floor. There is no evidence of mechanical deterioration noted.

NDE / Corrosion Survey Status:

There is no evidence that the vessel and associated piping are on the Ultrasonic Corrosion Survey.

PV Inspection Detail

Routine External Inspection Performed Mar 27/06

District:	CONVENTIONAL	Inspection Date:	03/27/2006
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

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INSPECTION

Methods: VE	Suitable For Service: Y
Company:	Responsible Inspector:
Report #:	Cost: 0.00
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SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
VE	03/27/2006		STACEY COWIE		

DETAILED OBSERVATIONS

Shell Conditions:
 The reboiler is insulated. The cladding & insulation are in good condition. The external surface of this vessel is in good condition. The paint is also in good condition with no evidence of corrosion. The pressure retaining welds are intact and reveal no signs of deterioration or visible cracking.

Instrumentation Condition:
 The associated instrumentation is in good working order.

Nozzle Condition:
 The nozzles are in good condition with no leaks or surface corrosion.

Flange Condition:
 All associated flange and bolting are intact and show no evidence of deterioration, visible cracking or process leaks. There is no evidence of corrosion.

External Piping Condition:
 The piping is painted and in good condition with no evidence of corrosion. The associated flange bolting and gaskets are in place and tight. The associated pressure welds are intact and show no signs of deterioration or visible cracking.

Pipe Support Condition:
 The associated pipe supports are in good condition with no evidence of any mechanical damage or degradation.

Bolting Condition:
 The associated bolting and gaskets are in place and tight.

Firetube Condition:
 The burner assembly is straight and the attachment welds are sound. The stack is in good condition.

Vessel Support:

DETAILED OBSERVATIONS

The vessel is welded to a saddle. The saddle is bolted to the floor with no evidence of mechanical deterioration.

DETAILED RECOMMENDATIONS

Service the PSV. Ensure that the PSV is pre-popped and forward a copy of the service report to MTL Inspection Group Inc.
Repeat the UT Corrosion Survey at the next scheduled interval.

PV Inspection Detail

UT INSPECTION

District:	CONVENTIONAL	Inspection Date:	03/27/2006
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

ATTACHED PSV

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Shell	08/28/2002	CLL-DEHY-PSV-910		100519	0G2606.5C		OUT OF SERVICE	172

INSPECTION

Methods: UT	Suitable For Service: Y
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
UT	03/27/2006		JOHN OLIVER		

PV Inspection Detail

2008 INTERNAL INSPECTION

District:	CONVENTIONAL	Inspection Date:	09/23/2008
Field:	AG - PRIMROSE	Inspection Type:	Regulatory
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

ATTACHED PSV

Side	Connected	Tag #	Next Service Yr	Serial #	CRN	MMS Equip #	Status	Set Pressure (kPa)
Shell	08/28/2002	CLL-DEHY-PSV-910		100519	0G2606.5C		OUT OF SERVICE	172

INSPECTION

Methods: VI	Suitable For Service: Y
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

No discrepancies noted

SUMMARY RECOMMENDATIONS

None

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
VI	09/23/2008		GREG COOK	MARK KRIASKI	

DETAILED OBSERVATIONS

OBSERVATIONS

The reboiler was inspected during the shut down. Historical data has not shown any concerns. The reboiler was visually inspected from the open end.

Internal - No corrosion/erosion or mechanical damage was found. All visible welds in good condition.

Firetube - Did not show signs of deterioration. In good condition.

PV Inspection Detail

BASED ON 2008 INTERNAL INSPECTION

District:	CONVENTIONAL	Inspection Date:	09/23/2008
Field:	AG - PRIMROSE	Inspection Type:	Periodic
Facility:	CLYDE LAKE PLANT		
Facility Location:			
Unit	BLDG - DEHY		

PV

Jur #:	Serial #: 2000-6450-01	Type:	REBOILER
Equip #:	MMS Equip #:	Description:	GLYCOL REBOILER
CRN:	Alt Jur #:		
NB #:	Alt Area:	Location:	08-09-072-09W4M

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Shell	08/28/2002	CLL-DEHY-PSV-910		100519	0G2606.5C		OUT OF SERVICE	172

INSPECTION

Methods: VI, VE	Suitable For Service: Y
Company:	Responsible Inspector:
Report #:	Cost: 0.00
Total Action Items:	Action Types:

SUMMARY OBSERVATIONS

SUMMARY RECOMMENDATIONS

REGULATORY COMMENTS

INSPECTION METHODS DETAILS

Method	Date	Company	Inspector 1	Inspector 2	Report #
VI	09/23/2008		GREG COOK	MARK KRIASKI	
VE	09/23/2008		GREG COOK	MARK KRIASKI	