BP CANADA ENERGY COMPANY

Pressure Equipment Inspection Report

PRESSURE VESSEL DATA:

COMPANY:	BP CANADA ENERGY COMPANY	LOCATION	BP CHINCHAGA GAS PLANT
FACILITY:		LSD:	01-24-096-05W6M
VESSEL NAME:	DE-ETHANIZER FEED DRUM		
FACILITY VESSEL IDENTIFICATION:		MAINTENANCE NO. (Maximo):	
IS VESSEL ASSOCIATED WITH A COMPRESSOR?	Yes No		
ORIENTATION:	Horizontal Vertical Sphere		
SEPARATOR TYPE (if applicable):	2 Phase 3 Phase N/A		
STATUS:	In Service		
DIRECT FIRED VESSEL:	Yes No	MANWAY:	
THERMAL INSULATION:		Internal Access Through:	

NAME PLATE:

JURISDICTION NUMBER :	A0227076	CRN NUMBER:	F9231.2
BP TAG NUMBER:	V-2A	N. BOARD NUMBER:	
VESSEL SERIAL NUMBER:	85241-B	CAPACITY (Volume):	NS
DRAWING NUMBER:	NS	CHANNEL MATERIAL:	in. NS N/A
CHANNEL THICKNESS:	in. NS N/A	HEAT TREATMENT:	
CODE PARAMETERS:	U, UW, UM NS	JOINT EFFICIENCY (J.E.):	NS
MANUFACTURER:	PROPAK SYSTEMS	YEAR BUILT:	1985

INSULATION / COATING

	INTERNAL COATING				EXTERNAL COATING				INSULATION	
DESCRIPTION	COATED?	THK	TYPE	DATE	COATED?	THK	TYPE	DATE	INSULATED?	DENSITY
	N				N				N	

SHELL STATIC

SHELL	MATERIAL	H.T.	NOMINAL	DIAMETER	LENGTH	C.A.	RT LEVEL
SHELL SIDE 1	SA-51670	Y	1.750 in.	in / mm	in / mm	0.0620 in.	FULL

HEAD STATIC

HEAD	MATERIAL	H.T.	NOMINAL	DIAMETER	C.A.	RT LEVEL
SHELL SIDE 1	SA-51670	Y	1.750 in.	in / mm	0.0620 in.	FULL

DESIGN / OPERATING

DESIGN DESCRIPTION	DESIGN PRESS.	DESIGN TEMP.	OPERATING PRESS.	OPERATING TEMP.	SERVICE
SHELL SIDE 1	1150 PSI	°F / °C	PSI / KPa	150 °F	

PSV NAME PLATE DATA:

	PSV. 1	PSV. 2	PSV. 3	PSV. 4
Tag Number:	CHN-001-119/			
Serial Number:	CE-24371-KA			
Inlet Size - (Rating/Type):	1.5 in FNPT			
Outlet Size - (Rating/Type):	2.0 in FNPT			
Capacity (SCFM) Or	8548 SCFM			
Model Number:	2741-1500			
Manufacturer:	FARRIS			
Set Pressure:	1050 PSI			
Set Date:				
Location:				
CRN:				
Service Interval:				
Service Company:				

POTENTIAL DAMAGE TYPE AND LOCATION:

POTENTIAL DAMAGE MECHANISMS:

Fabrication Defects: Welding, heat treatment, material, improper assembly of threaded or welded joints (fit), welding, an
Corrosion: CO2, suspended solids, produced water (chlorides)
Hydrogen Effects: N/A
Mechanical Effects: Overload
Metallurgical & environmental Effects:

PREVIOUS INSPECTION REPORTS:

INSPECTION METHODS:

UT: to investigate areas of corrosion found by visual inspection. MPI (WFMPI): to investigate suspect areas if required. Visual: internal & external inspection of vessel and associated piping. Dimensional Measurements: if blistering, and/or deformation found.

INSPECTION NOTES:

2005:
INTERNAL:
THE INTERNAL SURFACE WAS NOT EVALUATED DURING THE VISUAL INSPECTION.
PSV:
THE SEALS ON THE PSV ARE INTACT.
THE DISCHARGE PIPING IS PROPERLY VENTED TO THE FLARE.

EXTERNAL:
SHELL CONDITION:
THE EXTERNAL SURFACE OF THIS VESSEL IS IN GOOD CONDITION.
THE VESSEL PAINT IS IN GOOD CONDITION.
THERE WAS NO SIGN OF EXTERNAL CORROSION.
ALL WELDS ARE INTACT AND THERE ARE NO SIGNS OF DETERIORATION OR VISIBLE CRACKING,
INSULATION CONDITION:
THE VESSEL, INSULATED OUTSIDE BUILDING ONLY IS IN GOOD CONDITION.
FLANGE CONDITION:
THE NOZZLE ASSEMBLIES ARE PAINTED.
THE PAINT ON THE NOZZLES IS IN GOOD CONDITION, NO SIGNS OF CORROSION.
THE ASSOCIATED BOLTING AND GASKETS ARE IN PLACE AND TIGHT.
ALL WELDS ARE INTACT AND SHOW NO SIGNS OF DETERIORATION OR VISIBLE CRACKING.
PIPING CONDITION:
THE OUTLET PIPING IS PAINTED AND IN GOOD CONDITION, WITH NO EVIDENCE OF EXTERNAL CORROSION.
THE ASSOCIATED BOLTING AND GASKETS ARE IN PLACE AND IN GOOD CONDITION.
ALL ASSOCIATED WELDS ARE INTACT AND SHOW NO SIGNS OF DETERIORATION OR VISIBLE CRACKING.
PIPE SUPPORT CONDITION:
THE PIPE SUPPORTS ARE IN GOOD CONDITION.
INSTRUMENTATION:
THE ASSOCIATED INSTRUMENTATION IS IN GOOD WORKING CONDITION.
FOUNDATION CONDITION:
THE VESSEL IS WELDED TO SADDLES.
BOLTED TO SKID.
THE STRUCTURAL STEEL SKID IS ON PILES AND IS IN GOOD CONDITION.
THE VESSEL IS PROPERLY GROUNDED AT THE SKIRT.

RECOMMENDED INSPECTION INTERVALS:

Next UT Creep Wave:		**Years:**	
Next UT Corrosion Survey:		**Years:**	
Next Internal Inspection:	05/15/2006	**Years:**	6 YEARS
Next External Inspection:	03/30/2010	**Years:**	5 YEARS
Next PSV Service:	**PSV ID:**	**Bench Test Due:**	
	SN CE-24371-KA	06/01/2006	