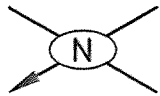
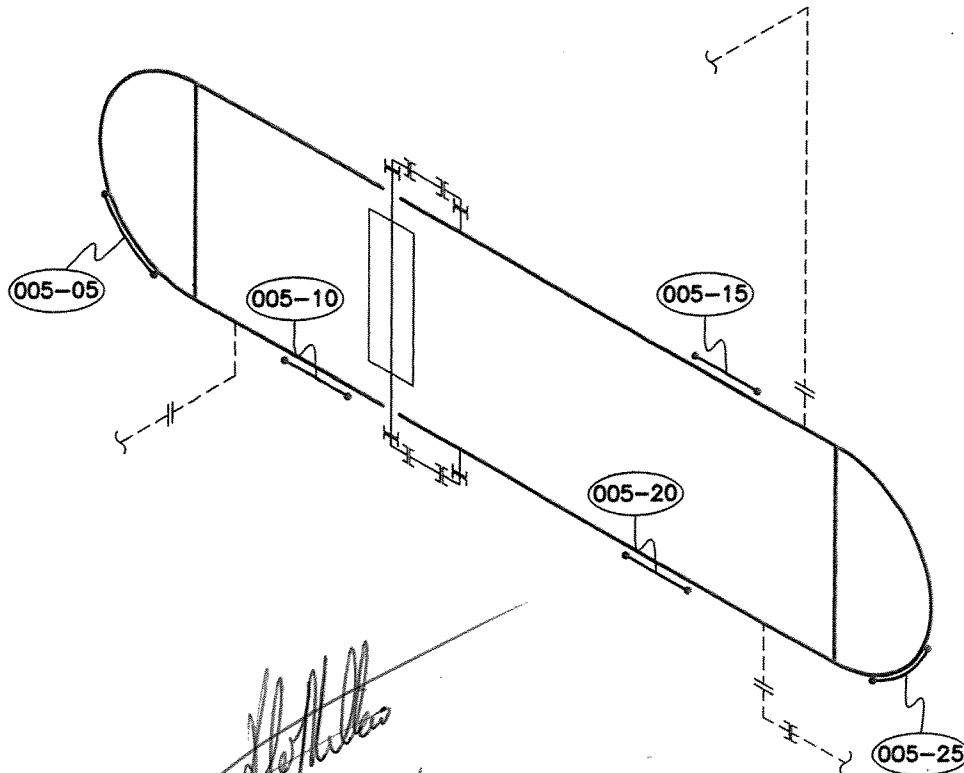


10380701

NmLee

66171741

10697001

TEAM**Industrial Services**
Inspection Services CanadaP&ID. # _____
REF. # _____

Jan 11/08
- 6 year interval (blowcase).

VESSEL DATA

P.E. No. N/S Serial No. C305A-HS Prov. Reg. No. A3069255 C.R.N. M6284.2
 MFR. RUSHTON Code/Div. N/S Para N/S Code Stamp N/S
 Yr. Bld. 1994 Manway NO Vessel Size 18" X 96" Service SWEET PWHT NO
 RT RT-2 Insulated NO

Nominal Thickness & Material

Head: N/S Mat'l: N/S C.A.: N/S
 Head: _____
 Shell: N/S N/S N/S
 Shell: _____
 Chan Hd: _____
 Chan Sh: _____
 Boot Hd: _____
 Boot Sh: _____

Natnl. Board# N/S

Repairs _____

Reason _____

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION
LSD 04-16-060-22W5M

MAWP Shell Side 9929KPA @ Temp. 38°C

MAWP Tube Side _____ @ Temp. _____

COMMENTS: _____

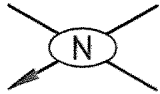
BLOWCASE

TECH.: <u>S.J.</u>	REV. DATE: _____	DWG DATE: <u>2007/10</u>
CAD: <u>A.Z.</u>	REVISION: _____	DRAWING: <u>005</u>

TEAM

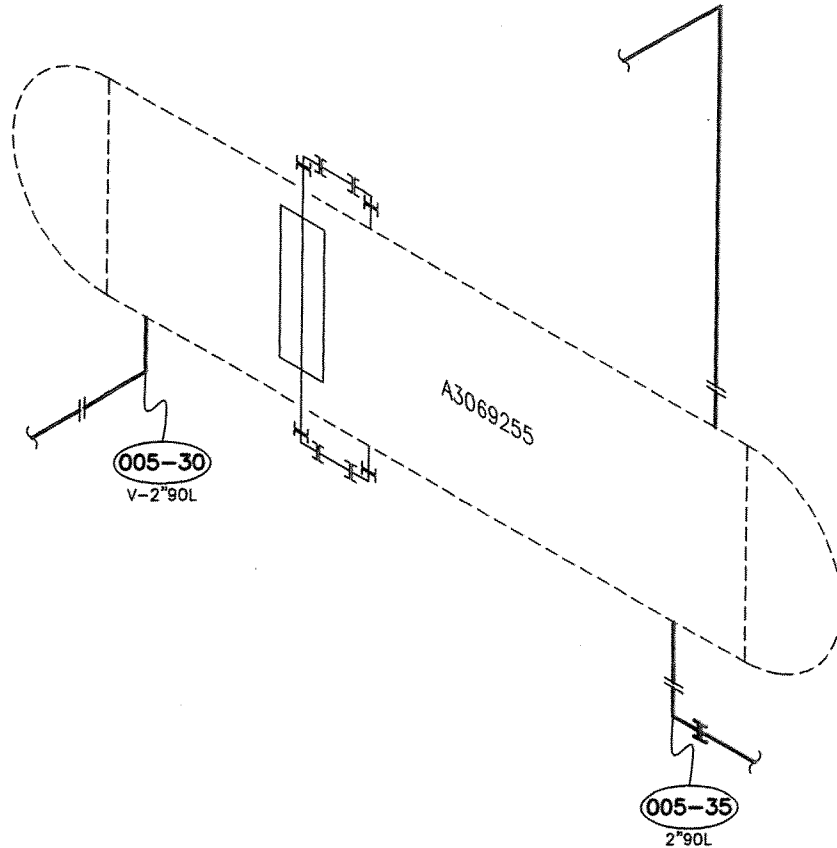
Industrial Services

Inspection Services Canada



P&ID # _____

REF. # _____



PIPING DATA

THICKNESS MEASUREMENT LOCATION:	SIZE	PROC.	LINE #	SPEC.	SCH.	NOM.THK.	ASTM	MIN.THK.	CAL.THK.	FLG. RATING
							* CORR. ALLW. ** CALCULATED CORR. ALLW.			
005-30	2"				160	0.343"	N/S	0.343"		
005-35	2"				160	0.343"	ASTM	0.301"		

COMMENTS: _____

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION
LSD 04-16-060-22W5M

BLOWCASE PIPING

TECH.: S.J.

REV.DATE: _____

DWG.DATE: 2007/10

CAD: A.Z.

REVISION: _____

DRAWING: 005A

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION - (111)
AREA #1 - (01)

AITEC (WESTERN) INC.

Item Desc.: BLOWCASE

Lsd: 04-16-060-22W5M

Prov. Reg.: A3069255

Equip. No.: -----

Ser. No.: C305A-HS

Description: BTM NORTH HEAD

TML: 005-05**

Nominal:	0.937	C.A. as per	IOR	C.A. L.F.L.:	0.063	Con't Service:	YES
t Min.:	0.874		0.063	L.F.L.:	0.874	Insp. Intv.	12
C.A. Calc.:	0.063		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	0.969	_____
	2	0.969	_____
	3	0.953	_____
	4	0.945	_____
	5	0.902	_____
	6	0.972	_____

Data Evaluation

Lowest Reading	:	0.902
Average - Low 3	:	0.933
Thk.Rem. Above LFL	:	**0.028
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
ASSUMED NOMINAL

Description: BTM NORTH SHELL

TML: 005-10

Nominal:	1.000	C.A. as per	IOR	C.A. L.F.L.:	0.063	Con't Service:	YES
t Min.:	0.937		0.063	L.F.L.:	0.937	Insp. Intv.	12
C.A. Calc.:	0.063		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	1.020	_____
	2	1.024	_____
	3	1.024	_____
	4	1.035	_____
	5	1.035	_____
	6	1.035	_____

Data Evaluation

Lowest Reading	:	1.020
Average - Low 3	:	1.023
Thk.Rem. Above LFL	:	0.083
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
ASSUMED NOMINAL

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION - (111)
AREA #1 - (01)

AITEC (WESTERN) INC.

Item Desc.: BLOWCASE

Lsd: 04-16-060-22W5M

Prov. Reg.: A3069255

Equip. No.: -----

Ser. No.: C305A-HS

Description: TOP SHELL W-S

TML: 005-15

Nominal:	1.000	C.A. as per	IOR	C.A. L.F.L.:	0.063	Con't Service:	YES
t Min.:	0.937		0.063	L.F.L.:	0.937	Insp. Intv.	12
C.A. Calc.:	0.063		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	1.047	_____
	2	1.055	_____
	3	1.071	_____
	4	1.063	_____
	5	1.047	_____
	6	1.051	_____

Data Evaluation

Lowest Reading	:	1.047
Average - Low 3	:	1.048
Thk.Rem. Above LFL	:	0.110
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:

ASSUMED NOMINAL

Description: BTM SOUTH SHELL

TML: 005-20

Nominal:	1.000	C.A. as per	IOR	C.A. L.F.L.:	0.063	Con't Service:	YES
t Min.:	0.937		0.063	L.F.L.:	0.937	Insp. Intv.	12
C.A. Calc.:	0.063		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	1.035	_____
	2	1.039	_____
	3	1.031	_____
	4	1.035	_____
	5	1.035	_____
	6	1.039	_____

Data Evaluation

Lowest Reading	:	1.031
Average - Low 3	:	1.034
Thk.Rem. Above LFL	:	0.094
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:

ASSUMED NOMINAL

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION - (111)
AREA #1 - (01)

AITEC (WESTERN) INC.

Item Desc.:	BLOWCASE	Lsd:	04-16-060-22W5M
Prov. Reg.:	A3069255	Equip. No.:	-----
		Ser. No.:	C305A-HS

Description: BTM SOUTH HEAD

TML: 005-25

Nominal:	0.937	C.A. as per	IOR	C.A. L.F.L.:	0.063	Con't Service:	YES
t Min.:	0.874		0.063	L.F.L.:	0.874	Insp. Intv.	12
C.A. Calc.:	0.063		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	0.969	_____
	2	0.965	_____
	3	0.957	_____
	4	0.945	_____
	5	0.937	_____
	6	0.945	_____

Data Evaluation

Lowest Reading	:	0.937
Average - Low 3	:	0.942
Thk.Rem. Above LFL	:	0.063
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

Comments:
ASSUMED NOMINAL

Description: VESSEL 2"90L OUTLET

TML: 005-30

Nominal:	0.343	C.A. as per	IOR	C.A. L.F.L.:	0.106	Con't Service:	YES
t Min.:	0.237		0.063	L.F.L.:	0.237	Insp. Intv.	12
C.A. Calc.:	0.106		07-03	Mths.To L.F.L.:		Add'l Assm't:	YES

Survey Dates: 2007-10

Data Readings	1	0.354	_____
	2	0.346	_____
	3	0.346	_____
	4	0.346	_____

Data Evaluation

Lowest Reading	:	0.346
Average - Low 3	:	0.346
Thk.Rem. Above LFL	:	0.109
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	

IMPERIAL OIL LTD.
BIGSTONE 04-16 COMPRESSOR STATION - (111)
AREA #1 - (01)

AITEC (WESTERN) INC.

Item Desc.: BLOWCASE	Lsd: 04-16-060-22W5M
Prov. Reg.: A3069255	Equip. No.: -----
	Ser. No.: C305A-HS

Description: 2"90L OUTLET

TML: 005-35

Nominal:	0.343	<u>C.A. as per</u>	IOR	C.A. L.F.L.:	0.106	Con't Service: YES
t Min.:	0.237		0.063	L.F.L.:	0.237	Insp. Intv. 12
C.A. Calc.:	0.106		07-03	Mths.To L.F.L.:		Add'l Assm't: YES

Survey Dates: 2007-10

Data Readings	1	0.362	_____
	2	0.350	_____
	3	0.354	_____
	4	0.370	_____

Data Evaluation

Lowest Reading	:	0.350
Average - Low 3	:	0.355
Thk.Rem. Above LFL	:	0.113
Indv. Short Term Rate (in/yr)	:	
Short Term Rate (in/yr)	:	
LongTerm Rate (in/yr)	:	