NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-01/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Top)								
TPLS - 3 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	
					6 - 7	NRI	Accept	
					7 - 8	NRI	Accept	
					8 - 9	NRI	Accept	
					9 - 10	NRI	Accept	

Continue Next Page

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103231/18-10
Job No: PCI - 180211

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Top)								
TPLS - 3 (W-22)	22.05	3	–	19.05	10 - 11	NRI	Accept	
					11 - 12	NRI	Accept	
					12 - 13	NRI	Accept	
					13 - 14	NRI	Accept	
					14 - 15	NRI	Accept	
					15 - 16	NRI	Accept	

_____ End of Report_____

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-02/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
		IQI type :	ASTM 1B
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
Job No:	PCI - 180211	Sensitivity:	0.33mm(5 wires visible)
Material:	SA 516 GR 70	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(19.05+3)mm
Welding Process :	FCAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	15 March 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Bottom)								
BPLS 3-1 (W-22)	22.05	3	–	19.05	0 - 1	Por	Accept	
					1 - 2	Por	Accept	
					2 - 3	NRI	Accept	
					3 - 4	Por	Accept	
					4 - 5	NRI	Accept	
					5 - 6	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Akbar Ramin - ASNT Level II	Client Representative:	
Interpreted & Evaluated By:	M.Nazib - NDT Level II	Name:	
Date:	16 March 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-03/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Bottom)								
BPLS 3-2 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-04/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
		IQI type :	ASTM 1B
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
Job No:	PCI - 180211	Sensitivity:	0.33mm(5 wires visible)
Material:	SA 516 GR 70	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(19.05+3)mm
Welding Process :	FCAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	15 March 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Bottom)								
BPLS 3-3 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN BHD * (187753-D) * NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-05/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-3 PV-2035 (Bottom)								
BPLS 3-4 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-06/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-2 PV-2034 (Bottom)								
BPLS 2-1 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	Por	Accept	
					2 - 3	NRI	Accept	
					3 - 4	Por	Accept	
					4 - 5	NRI	Accept	
					5 - 6	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
Tel: 03-5122 9766/7/8 Fax: 03-5122 8766/7 E-mail: info@nusatek.com

Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-07/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-2 PV-2034 (Bottom)								
BPLS 2-2 (W-22)	22.05	3	–	19.05	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	Por	Accept	
					4 - 5	Por	Accept	
					5 - 6	Por	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-08/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-2 PV-2034 (Bottom)								
BPLS 2-3 (W-22)	22.05	3	–	19.05	0 - 1	Por	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Akbar Ramin - ASNT Level II	Client Representative:	
Interpreted & Evaluated By:	M.Nazib - NDT Level II	Name:	
Date:	16 March 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-09/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
		IQI type :	ASTM 1B
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	Film Manufacturer/Type :	FUJI 100(class II)
		Density :	2.0 - 3.5
Job No:	PCI - 180211	Sensitivity:	0.33mm(5 wires visible)
Material:	SA 516 GR 70	Source to Object Distance :	400mm
		Source Side of Object to Film Distance:	(19.05+3)mm
Welding Process :	FCAW	No of Radiograph(exposure) :	Single Exposure
Examination Code :	ASME V	No. of Film Each Cassette :	1 Film
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
Examination Date:	15 March 2018	Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-2 PV-2034 (Bottom)								
BPLS 2-4 (W-22)	22.05	3	–	19.05	0 - 1	NRI	Accept	
					1 - 2	NRI	Accept	
					2 - 3	NRI	Accept	
					3 - 4	NRI	Accept	
					4 - 5	NRI	Accept	
					5 - 6	NRI	Accept	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer : Akbar Ramin - ASNT Level II

Interpreted & Evaluated By: M.Nazib - NDT Level II

Date: 16 March 2018

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D) NDT Division

Client Representative:

Name:

Date:

NUSANTARA TECHNOLOGIES SDN. BHD. (187753-D)
No. 5, Jalan Anggerik Mokara 31/45, Seksyen 31, Kota Kemuning, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.
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Our Ref. : NT/103231/18-10

Report No: NDT/RT/180197-10/18

RADIOGRAPHIC EXAMINATION REPORT

Client and Testing Particulars

Client :	Pisces Engineering Sdn Bhd	Procedure No:	NT/RT/ASME Rev7.0
Project :	Crown 9 Tray High X Ø180" DTDC With Ø200" Dome.	IQI type :	ASTM 1B
Job No:	PCI - 180211	Film Manufacturer/Type :	FUJI 100(class II)
Material:	SA 516 GR 70	Density :	2.0 - 3.5
Welding Process :	FCAW	Sensitivity:	0.33mm(5 wires visible)
Examination Code :	ASME V	Source to Object Distance :	400mm
Acceptance Code:	ASME Sec VIII Div 1 - 2017 Ed.	Source Side of Object to Film Distance:	(19.05+3)mm
Examination Date:	15 March 2018	No of Radiograph(exposure) :	Single Exposure
		No. of Film Each Cassette :	1 Film
		Radiographic Technique :	SWSI
		Film Viewing Technique :	Single Wall Viewing
		Source Type/Size :	Iridium192 (3.2mm)
		Location Markers :	Film Side

Radiographic Examination Result

Weld Reference (Welder No)	WT (mm)	RT (mm)	Pipe Diameter (mm)	Material Thickness (mm)	Film Position	Film Interpretation	Result	Remarks
Ø180" Basket Tray-1 PV-2033 (Bottom)								
BPLS 1-2 RS (W-22)	22.05	3	–	19.05	2 - 3	Cracks	Reject	

End of Report

Legend:

TI : Tungsten Inclusion	*NRI : No Relevant Indication*	*Uc : Undercut*	*Por : Porosity*	*WT : Weld Thickness*
SI : Slag Inclusion	*LP : Lack of Penetration*	*Con : Concavity*	*BT : Burn Through*	*RT : Reinforcement Thickness*
LF : Lack of Fusion	*EP : Excess Penetration*	*AR : Artifact*	*Sur : Surface*	

Personnel Particulars

Radiographer :	Akbar Ramin - ASNT Level II	Client Representative:	
Interpreted & Evaluated By:	M.Nazib - NDT Level II	Name:	
Date:	16 March 2018	Date:	

NUSANTARA TECHNOLOGIES SDN. BHD. ★ (187753-D) ★ NDT Division