

Our Vision Identifying Value-Add Opportunities For Businesses

Customer Satisfaction Quality in a service or product is not what you put into it. It is what the customer gets out of it.



# **Company Profile**



Neil B. Bennett Principal Consultant



+61 437 808 989 Level 1, 537 Lake Road, Argenton NSW 2284

Neil@NBQC.com.au www.nbqcinspectionservices.com.au

Linked in 🚦



### +61 437 808 989

Identifying Value-Add Opportunities For Businesses: • Lean Management Principles • Business Management Systems • Quality Compliance Auditing • Work Health & Safety





#### History

 Over 25 years' experience in the mining and manufacturing sector has provided NBQC & Inspection Services the know-how to implement and comply with local legislations, national, international standards and exceeding customer specifications and expectations.

#### **Business Management Systems**

- Implementation of management systems to meet QA, WHS & Ex Approvals; ISO9001:2015, AS4801, AS14001 & AS3800 standards
- Enterprise Resource Planning integration
- BMS documentation control & implementation
- Technical document preparation & approvals

#### **ISO9001 Quality Assurance**

- Implementation and certification of ISO9001 Management Systems over past two decades
- ISO9001:2015 Audit Planning & Certification preparation for standards compliance
- Quality Assurance & Quality Control Training

### **Quality Control**

- Quality inspections throughout manufacturing process including suppliers & site installations
- Apollo Root Cause Analysis
- Independent supplier evaluations and approvals
- Calibration & Maintenance Systems
- Warranty & Failure Analysis Investigations

### Kaizen & Lean Implementation

- Lean manufacturing philosophy
- Process map development
- Total Production Systems
- Just-in-Time (JIT) Production
- Continuous improvement & waste reduction
- Lean auditing and report-card feedback



#### **Project Management**

- Tender & Contract compliance reviews
- Project Planning & Expediting
- Project Quality Management
- Factory Acceptance Testing
- Technical Specification compliance

#### Work Health & Safety

- AS4801/OHSAS18001 System Implementation
- Safety Map Implementation
- Hazard & Risk Management
- Safe Work Method Statements
- WHSE Compliance Audits
- Return To Work Coordinator & Consultation

### Weld Inspection & Technology

- IIW (IWT) International Welding Technologist
- IIW (IWI-C) International Welding Inspector
- AS2214 Welding Supervisor S/N: 12145
- AS1976 Welding Supervisor S/N: 12144
- WorkCover Welding Pressure Tickets:
- 1/1E, 2, 3/3E, 4, 5, 6, 7, 8 & 9
- Visual Inspection & Examination
- Non-Destructive Testing

### Weld Procedure & Qualifications

- Weld Approvals & Certifications
- AS1554 Parts 1-6, AS4041 & AS1210
- Weld Procedure & Qualifications to AS3992 and AS2980

### **Certification Compliance Auditing**

- Certification auditing of management systems and processes to meet statutory and legislative requirements of Quality, Work Health & Safety, AS3800 Workshops, Environmental, Project contractual compliance as well as:
- Jobactive Quality Assurance Framework
- National Standards Disability Services
- National Advocacy Program



# About NBQC & Inspection Services NB, QC







- Trades as Fitter & Turner
- Advanced levels in Welding Technology & Weld Inspection
- Started Quality Control with Hyperbaric Chambers @ Cowan Mfg
- Quality Control & Non-Destructive Testing in NATA Laboratory
- IS09001 QA System Development & Implementations
- Toyota Lean Way & Business Improvements
- Achieved large multi-site company certifications



Started consulting to support local & International Clients

# **Major Client Base**

































Innovative, Elegant & Robust Solutions





# Management System Certifications NB, QC





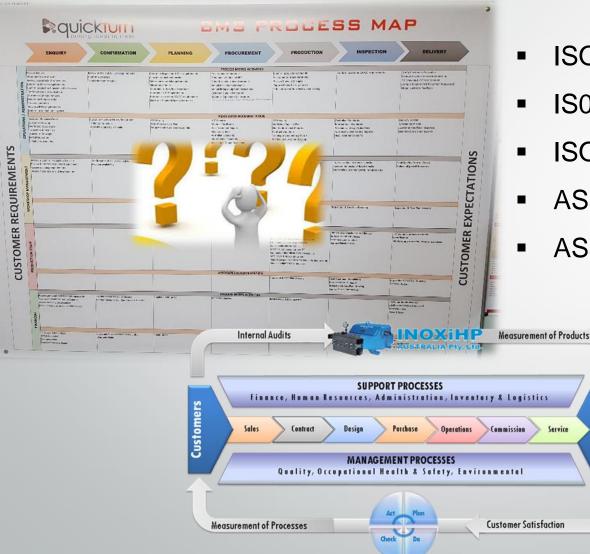
- ISO9001 Quality Management Systems
- AS4801/OHS18001/ISO45001 Work Health & Safety
- ISO14001 Environmental Management System
- ISO3834 Weld Management Systems
- NDIS National Disabilities Insurance Scheme
- NSDS National Standards Disability Services
- . JOBACTIVE Quality Assurance Framework



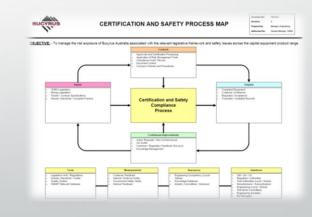


# Business Management Systems NB.

Customers



- ISO9001 Quality Assurance Systems
- IS045001 Work Health & Safety
  - ISO14001 Environmental Management Systems
- AS3834.2 Weld Management Systems
  - AS3800 Electrical Equipment Repair & Overhaul



Strata Products Australia

STRATA PRODUCTS SAFETY MANAGEMENT PLAN June 2015



1/8 Channel Road, Mayfield West, NSW

## ISO9001:2015 QMS

NB.QC



NB.QC ISO9001:2015 Gap Analysis Report & Inspection S

Auditee:		
Position:		
Standard:	ISO9001:2015	
NBQC Ref:		

Auditor:	Neil Bennett					
Audit Date:	20" & 21" October 2015					
Audit Duration:	2 Days					

#### EXECUTIVE SUMMARY: OPPORTUNITY FOR IMPROVEMENT

Based on the evidence verified and findings of the audit observations below, although the management system, is maintained in accordance with ISOR0012006 them were numerous areas of "NC" & "OF" i destified to spagate the Caudity Management System to the new ISOR012015 regarements. These will receive to evidence the consideration by management, so as to ensure appropriate corrective actions are implemented into a the 2016 doublem. The cortexter of this report studyed the fully minered and the extern via the the study doublem. The cortexter of this report studyed the fully minered and the extern via the the study doublem. The cortexter of this report studyed the fully minered and the extern studyed and the state of the studyed studyed and the state of the studyed studyed studyed studyed and the state of the studyed stud





#### QMP 7 - Relationship Management NB/QC

#### Stateme

· For sustained success, organizations manage their relationships with interested parties, such as suppliers. .1

#### Rationale

- · Interested parties influence the performance of an organization.
- · Sustained success is more likely to be achieved when an organization manages relationships with its interested parties to optimize their impact on its performance
- · Relationship management with its supplier and partner network is often of particular importance.



#### ISO9001:2015 Gap Analysis Report & Inspection Servic

#### PART A - Assessment and Rating Table - Summary of Findings

Element	Document Review (Yes/No)	Conformance "C"	"OFI"	Non-Compl "NC"
4.1 Understanding the organisation and its context	¥			~
12 Understanding the needs and expectations of interested parties	×			~
LI Determining the scope of the quality management system	N			~
L4 Quality management system and its processes	¥			~
1.1.1 Leadership and commitment for the quality management system	¥		-	
1.1.2 Oustomer foous	¥			~
1.1.1 Top management shall establish, review and maintain a quality policy	×		~	
5.2.2 The quality policy	¥		~	
5.1 Organizational roles, responsibilities and authorities	×		~	
1.1 Actions to address risks and opportunities	N			~
I.1.2 The organization shall plan actions to address these risks and opportunities	N			~
1.2.1 The organization shall establish quality objectives at relevant functions, evels and processes.	¥		-	
3.1.2 When planning how to achieve its quality objectives, the organization shall determine:	N			~
1.1 Planning of changes	¥		-	
7.1 Resources	¥		Ý	
7.1.2 People	¥		L ,	
7.1.2 infrastructure	¥			
7.1.4 Environment for the operation of processes	×		- í	
7.1.8 Wonktoring and measuring resources	¥		1	
1.8 Organizational knowledge	N			~
7.2 Competence	¥		~	
1.1 Awareness	¥		*	
7.4 Communication	¥		~	
A Documented information	N		1	
7.4.2 Creating and updating	¥	~		
7.8.2 Control of documented information	×	~		
1.1.1.2 For the control of documented information, the organization shall address the following activities, as applicable:	¥		1	
1.1 Operational planning and control	¥		-	
111 Oustomer communication	¥		~	
1.1.1 Determination of requirements related to products and services	¥		~	

NB./OC

8.2.3 Review of requirements related to produots and services	¥						
8.1 Design and development of products and services	¥		+		1		
8.1.2 Design and development planning	×		+	-	1		
E.E.I Design and development inputs	×	-	+		1		
2.1.4 Design and development controls	×	- ×	+		1		
2.1.5 Design and development outputs			+	<u> </u>	-		
8.14 Design and development changes	- ÷	+ -	+	-	-		
8.4.1 Centrol of externally provided products and services	- ÷	+ ·	-		-		
	· ·	+		-	-		
8.4.2 Type and extent of control of external provision 8.4.3 information for external providers	× ×	+	1 č	-	-		
	-	-	ŕ	-	-		
8.8.1 Control of production and service provision	¥		- ×	-	-		
8.6.2 identification and traceability	¥	- í	-		-		
2.2.3 Property belonging to oustomers or external providers	N	-		~	-		
8.6.4 Preservation	¥		-				
E.I.S Post-delivery activities	¥			-			
8.6.8 Control of changes	¥			1			
8.8 Release of products and services	Y		×				
8.7 Control of nonconforming process outputs, products and services	¥	1					
8.1 lionitoring, measurement, analysis and evaluation	¥	1					
8.1.2 Oustomer satisfaction	¥		~		1		
8.1.2 Analysis and evaluation	¥		1		1		
8.2.1 The organization shall conduct internal audits at planned intervals	Y	1			1		
program 8.1 Management review		and some	22011412	SUP	PLIER SUR		
program 8.1 Management review 8.1.1 The outputs of the management review shall include decisions and advisors related to:	AD THE	1	1000-1-4 Hanstel Ture		PLIER SUR	Can	NCE 8
ongen 8.3 langenet review 8.3 The outputs of the management review shall include decisions and aufors related to: 19.1 General	JAD NA Project		1000-1-4 Hanstel Furg	rater	PLIER SUP		
program 28 Havagement review 8.13 The outputs of the management review shall include decisions and addisis related by: 13 D General 15.2 Nonconthermity and correctline action	20 Miles		1000-1-1 HansteilTura Picat Autobi Volterley	rater		Calle	1575
program Ball Stangement environ 8.2.1 The clubble of the management review shall instudie decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documented internation	20 Miles	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1000-1-1 Hanstein Furry Plant Australia Weither Sey Histochy 2014	ander.	Lincoline Corr	Calle	1575
program 28 Havagement review 8.13 The outputs of the management review shall include decisions and addisis related by: 13 D General 15.2 Nonconthermity and correctline action	Jap Na Project Septim Septim Septim	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1000-1-1 HansteilTura Picat Autobi Volterley	rate -	l koche Cen Toden	Calle	1111  1211
program Ball Stangement environ 8.2.1 The clubble of the management review shall instudie decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documented internation	Jap Na Project Septim Septim Septim	v (Serae Note:	10000-1-0 Navatri Tury Pinat Austali Ni The Na Minochi Ula Ninochi Ula Ninochi Ula	rater 	litesche Sen Todan	Cons Re:   Nei Cer	1575
program Ball Stangement environ 8.2.1 The clubble of the management review shall instudie decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documented internation	Jac Nu Prejant Sapcin Sapcin Sapcin	e Corae Polar	10000-1-0 Navatri Tury Pinat Austali Ni The Na Minochi Ula Ninochi Ula Ninochi Ula	rate our freeze	I lessile Sen Today ment obersel JA	Cons Re:   Nei Cer	1111  1211
program Ball Stangement environ 8.2.1 The clubble of the management review shall instudie decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documented internation	Jac Nu Prejant Sapcin Sapcin Sapcin	n Sayan Ali Sayan Ali Sayan Sayan Sayan Sayan Sayan Sayan	10000-1-4 Hanstein Turry Pirat Avantiti Wit The Ney Wittee Karaka Microsoft Wittee Microsoft Wittee Microsof	rate our freeze	I lessile Sen Today ment obersel JA	Cons Re:   Nei Cer	1111  1211
program Ball Stangement environ 8.2.1 The clubble of the management review shall instudie decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documented internation	Jac Nu Prejant Sapcin Sapcin Sapcin	v v v v v v v v v v v v v v v v v v v	10000-1-0 Nanstein Turry (Nat Aussein Nithe fey Mittee fey Mittee fey Mittee fey Mittee fey Mittee fey Mittee Nithee fey Mittee	rate our freeze	I lessile Sen Today ment obersel JA	Cons Re:   Nei Cer	1111  1211
2009. 10 angenet noise 2019. Setto Statuto dal Indea Station per 2019. Setto Statuto 2019. Setto Statuto 2019. Setto Statuto dal Statuto 2019. Setto Statuto dal Statuto dal Statuto 2019. Setto Statuto	Jac Nu Prejant Sapcin Sapcin Sapcin	v Coraz v Coraz v Napor din taper see o napor o caleet o caleet o caleet o caleet	X0005-1-1 Hansten Furst Picat Avatali Wit The Key Without Valla, House Warrage Without Valla, House Warrage Without Valla, Strong Vallage Store	eration eran Process Dran philos the puly and the puly	I lessile Sen Today ment obersel JA	Cons Re:   Nei Cer	1111  1211
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jab Ne Prijaz Sagole Lensfer Sagole Ven u	v cCoraz d'Alex Magner Alle Magner Alle Magner Alex Magner Alex Ma	10022-14 Nanstein Turra Pinat Avanali In The Se Pinase Nanada Nanada Se Avanada Nanada Se Avanada	nation nam Process Recording to the set of the set	linothe Seri Today Class gener patronaut d'A to to Provident to to	Cons act Institut act Institut act Institut act Institut	1111  1211
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jab Ne Jab Ne Frijar Sagole Sagole Sagole Sagole Sagole	v Corac v Corav Corac v Corac v Corav Co	10000-1-1 Hansdorl Turra (Pool Autoriti Hanstorl Turra Preservice) Hanse	ander Broughter	I lessile Sen Today ment obersel JA	Cons BC: Solice	Nor Sec
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jab Ne Jab Ne Frijar Sagole Sagole Sagole Sagole Sagole	Constant Con	19225-14 Hansler Para Dist Aussell Histories Hansler H		Teoring Sec Teoring Chan you of the Personnel SP is to the Personnel Sec is	Con BC Solle	1111 1111
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jab Ne Jab Ne Frijar Sagole Sagole Sagole Sagole Sagole	Correct Correc	10000-1-1 Hassen's Tury (Vick Australia 1000 Australia 1017 for 5 1017 for 5	Parties	Lincolas San Tantes Class Santa Calman de Maria Santa Calman de Maria Santa Calman de Maria Santa Calman de Maria Santa Calman de Maria	Cons BC: Solida Solida const Solida const So	Nor Sec
program Ball Stangement environ 8.2.1 The could/solid of the management review shall instruct decisions and administration of the shall be administration 19.1 General 19.2 The organization shall retain documents internation	Jab Ne Jab Ne Frijar Sagole Sagole Sagole Sagole Sagole	Contract Con	10020-1-1 Installer Tury 1 Post Ausside Preservices Internet States Internet S	analier an Process Draw phone an an Annotation an an Annotation an Annotatio	Incode Series Takey Change Series (Series of All Series (Series) (Series) Series (Series) (Series) (Series) Series (Series) (Series) (Series) (Series) Series (Series)	Cons BC: Solida Solida const Solida const So	Nor Sec
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jao Na Project Sagan Levitor Sagan Sana Sana	Augure d'in Cortes d'Une - Augure d'in transit des - menses - mens	19225-1-1 Nansah Tura Dan Aussin Tura Dan Aussin Tura Nan	andar and Foreign Foreign and Antonio	Incode Series Takey Change Series (Series of All Series (Series) (Series) Series (Series) (Series) (Series) Series (Series) (Series) (Series) (Series) Series (Series)	Cons BC: Salle Coloma Transform Transform Transform Transform Transform	Nor Sec
2000. In geographic relief and in Static Control (Static Relief) and and in Static 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Static Relief) 13 Control (Reported)	Jao Na Project Segurar Segurar Segurar Segurar Segurar Segurar	V Corrac d'Ale Corrac d' Corrac d' Corrac d' Corrac d' Corrac d' Corrac d' Corrac d' Corrac d' Corrac d' Cora	NOIDE-1-1 Instant Turn ( Post A-scalar) INTer Sey Instant Turn ( Inter Sey Instant Sey Instant Sey Instant Instant Sey Instant Instant Sey Instant Instant Sey Instant Sey Ins	and a second sec	I solo Ser Saler Andre Ser Angelen auf Ar Generation of the Angelen autor to the Angelen auto	Cons BC: Salle Coloma Transform Transform Transform Transform Transform	Nor Sec
2009. 1999 - Stangenet noise 2019 - Stangenet noise shall noise below para 2019 - Stangenet 113 Tonerariu 113 Tonerariu	200 No. Project Support Support The support The supp	Contract	NGCO-14 Instant Turn Deal Automation In The sey Instruction Internet Turn Internet Tur	an alter and a second and a sec	I socio Ser Tades Calego por la constanta da Calego del Marco Calego del Marco Calego del Marco Calego del Marco Calego del Marco Calego del Ca	Cons BC: Salle Coloma Transform Transform Transform Transform Transform	Nor Sec
11 Oesan 11 Desant 12 De ganizalen olu india osuventet introdon 12 De ganizalen olu india osuventet introdon 12 Confinui ingruvenet	200 March 1990 March 1	Constant Con	1922-1-1 Hansdorf-Tarra Direk Australia Histophillin Hist	an a financia a secondario de la compañía de la com	I Books Ser Redex Fields The Service of Provide the Service of Provide the Service of Service Service of Service of Service of Service of Service Service of Service of Service of Service of Service Service of Service of Service of Service of Service of Service Service of Service of Service of Service of Service of Service Service of Service	Com Com Contractor Contract	Nor Sec
2009. 1999 - Stangenet noise 2019 - Stangenet noise shall noise below para 2019 - Stangenet 113 Tonerariu 113 Tonerariu	And No. Projection Segurite Lectrics Segurite Territors Territors Territors Territors Territors Territors Territors Territors Territors	Construction Const	NGCO-1-1 NARROW-1-2 NA	The second secon	I Books Sen Tendes Characteristics of the American Market in the Sen American Market Market Market Sensor Land American Market Sensor Land Ame	Cum BC: Delfar Chiman Chiman Chiman Chiman Chiman Si Shadan	Nor Sec
2009. 1999 - Stangenet noise 2019 - Stangenet noise shall noise below para 2019 - Stangenet 113 Tonerariu 113 Tonerariu	A D No. Price and Section of the section of the sec	<ul> <li>Control Control C</li></ul>	NGCO-1-1 NARROW-1-2 NA	A service of the serv	I Boolds See Teader Teader The Company of the Company of the Sector Sect	Cum BC: Delfar Chiman Chiman Chiman Chiman Chiman Si Shadan	Nor Sec

ISO9001:2015 Gap Analysis Report



FRE IN THE REPORT OF COMPLEX THE LOWING RECEIPTING IN THE REPORT OF THE REPORT OF THE RECEIPTION AND RECEIPTION.

scales of his "To " soline; "during "cas built that youp

una nej un parrier esprinci recorgi star el trimo consoler ult

AND ALL PROPERTY.



Management Training on new revision and updates

\_ 41 in

ISO9001:2015 Gap Analysis Audits

server concerns services de providente ser

day part and a finality & descring during an her before

Protectority & scholar produced carpitals of adult

to Boar To Chilly To Lemma Statube Fo hal between and the second sec

Lo for day of "riding frage-Saturation have been

Ball-India

- **Process Mapping**
- Internal & External Compliance Auditing
- Sub-Contractor Surveillance Auditing

ISO9001:2015 Gap Analysis Report

by the management

more likely to produce desired results.

interpretation, which can be subjective

unintended consequences.

QMP 6 - Evidence-based Decision Making NB/QC

Decisions based on the analysis and evaluation of data and information are

· Decision-making can be a complex process, and it always involves some

. It often involves multiple types and sources of inputs, as well as their

· It is important to understand cause and effect relationships and potential

· Facts, evidence and data analysis lead to greater objectivity and confidence in

ISO9001 New Clause Structure

Firgenerati

mat planning and control

starrul provision of products and

NB.QC

& Inspection Ser

NON-COMPLIANCE

PERSONNEL AUDITED DURING VISIT:

BACKGROUND INFORMATION

AUDIT RATING DEFINITIONS AND REQUIRED ACTIONS:

The purpose of this Gap Avaigns Report is to summarise the degree of compliance with the new IGX00012015 standard which is laced on sampling evidence obtained during the audit of relevant departments. This report comments may include how autable for degreeding and continual improvement processes. Audit observations comments may include how autable for degreeding selected by your againstance appart to be in regard to maintaining custome subfaction levels and providing other benefits with respect to policy and other maintaining custome subfaction levels and providing other benefits with respect to policy and other level 120mB of the transmission of the subfaction of the second secon This report has been prepared by the NBQC & Inspection Services' Auditor and only applies to matters which were presented at the time of the audit and accepts no liability whatsoever for consequences to, or actions taken by, thind patties as a result of or in relance upon information contained in this report.

Base on the samples provided and sighted, appears to meet the company's Business Management System requirements and principles of ISO9001:2015 with evidence of continuous improvement measures. There was evidence of isolated instances during the audit where the department has not fully, effectively or consistently implemented the Business Management System requirements and this was apparent in the lack of documentation, supporting evidence or continuous improvement measures in line with the ISOS0012015 principles. Findings warranting consideration and attention by the organization although not necessarily requirements with the organization and attention by the organization although not necessarily requirements warranting consideration and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization attention by the organization although not necessarily approximate the organization and attention by the organization although not necessarily approximate the organization attention by the organization although not necessarily approximate the organization attention attention by the organization attention by the organization attention attention

The audit finds an absence of, or a significant failure to either implement and/or maintain conformance to requirements of the applicable standard, system or specifications. Such issues may raise significant doubt as to the capability of the management system to achieve its intended outputs for the process.

Workshop Manager / QA Manager

Statement

Rationale

uncertainty.

decisions made

QA & Compliance Offices

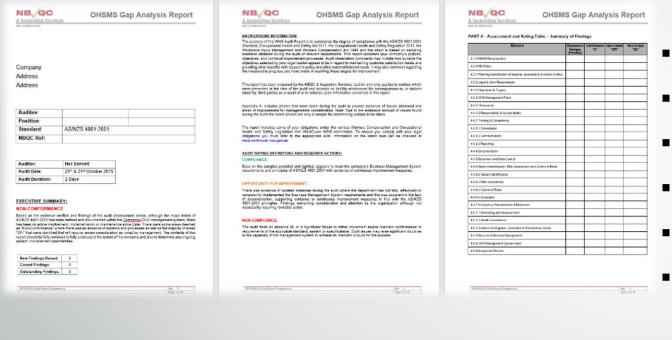
Purchasing Officer

The purpose of the Entry & Exit Meetings is to: - infrasture the narricisants, including observers and guides, and an outline of their roles

Position

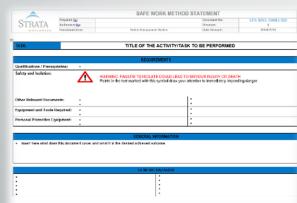
# Work Health & Safety





- ISO45001/OHSAS18001 System Implementation
- Return To Work Coordinator & Consultation
- Safe Work Method Statements
- Safety Map Implementation
- Hazard & Risk Management
- WHSE Compliance Audits

	DO NOT use this equipment
	unless you are trained in its safe use and operation.
PERS	DNAL PROTECTIVE EQUIPMENT
0	Webling poggles must be over at all times in the Long and loose hair must be contained.
0	Safety flortware must be warm at all times in work 🚯 Close fitting protective clothing must be warm.
0	Tany and jevelievy men are be non. Of the leafter gives must be non other welds:
	PERATIONAL SAFETY CHECKS or to slipitip hatan's are present in traditioner and malitymys.
2. Kee	p area clean and free of grease, oil and other flamanshie material.
	howe must be in good condition and not means a relighting hazard. we lighting up make a visual impaction of all equipment for damage.
	re induing up make a visual impection of all component for damage. c): that the mea is well ventilated and finne contaction thit is on.
6. Rat	ty equipment must not be used. Immediately report suspect equipment.
	SURE SETTING
L Car 2 Chr	ck that the onlygen and analysisms regulator adjusting length are loose. ck flar both biotecture values are closed.
	ce tant toric catapipe varies are cased. Hy open the cylinder valves on each cylinder for half a turn only.
4. Scn	ra in the regulator adjusting loadse slowly until the delivery pressure gauges regions: 70kPa.
5.24	ps and check for constant copy an gas flow. Type the copyrem bicouplyse for 2 seconds valve and check the delivery gauge.
	fracewary re-adjust the opyresis perglator to achieve a NDcPa messary.
	Serve the copyen blowpipe value. Is not chart to be a server to be a server of the ser
4 25	re mid check for constant acetylene gas flow.
	Spen the acceptence bitworpipe value for 2 seconds and check the delivery gauge. Energenery re-adjust the acutylence regulator to achieve a 70kPa pressure.
	line in acardiene bieveripe valva.
	ING UP
2. Cot	n the anti-fermi bicrepipe value alightly and hight the bicrepipe with a first lighter, time to shouly open the actribute value with the faces to longer produces near, sty case, the course, biospiper, while walk a much il itages in produce).
	TING OFF BLOWFIFE
1. Cle	e die aczykiese blowgejige valve finst. n close die oog yen blowgejige valve.
	ING DOWN Dow face hole criticier ratives
	nose nous not ryunner valvete. Ipan orggan blowpipe valve to allow the gas to drain out.
2.1	When common gauges read news, unaccess negatiator-adjusting loads.
- 8.5	Store anygen blewpipe walve. Turn off acetylese cylinder valve.
- 5.4	Jeen acrivicite blownipe valve and selease can.
2.0	Alaan aneiyisma gangan saad naro, rakana regulator adjuating incelt. Siose noeyitene biowyitye valve.
	EKEEPING
<ol> <li>Ter</li> </ol>	g up weiting biotopipe and house. a off fame estimation.
3. Les	to the wask area in a safe, clean and tidy state.
	NTIAL HAZANDS
300 01 724	es Printigraphis Prantes and greans Combustible materials Plankhucka faina durante to eyes Explosion by you lookayy
	IDDEN
<ul> <li>1.1d</li> </ul>	sting blowpips with matthes or lighters
08	(c) Construction of the thypothesis and the second of the second seco
_	Fifted and has no been as a factor of an encounter on an encounter of the effect of a second se



12	INOXIMP	RISI	1 1	SSES	201	ME	NII	KEP	URI					
compton: -					.708	9.000 T	9E	444						-
increased dur					- 3.6	proving 1		1.1.1			_	109hr' -		-
	1.1.1.1				152	10.1	19. A A A A					1.1.1.1.1		
x Assessment	hon a feutnent w													
1.1.1.1.188	W		. Nar m		4.4.4		No.16	1111	CONTRACTOR OF STREET			Na	EN .	
						1100	-			-7				AFTER
915 10.	Activity/Taim.	Ps/av0ut Heat	1008	ioga		c		ci	CONTRACTOR	İ	Not Target of	ponisticity/ comparison pano	1	6
										Τ				
2			_							1			t	Ħ
					-	-				+		-	+	H
1														
										Τ				П
5.										T				
										1				Π
K CALCULA	TOR				-	-				-				
	PROBAGE ITY MANERAL - P	A CONTRACTOR OF					CARINER-	- 803		d.		PROFAMA		
FATEG	(R02PTE6	PRILLINE PATE	-	MATES		201020			PRANCIAL INFACT	R.		8 6	1	1
Moni Certain	Is expected to convin weat draw starsman.	Up that pros a salet	1	Catabaphic Mater	fetall	(in parts	weiden:	24	-4250x	đ.	-			
Fornitie	The profit provide providences	At least price a week	-14-	Wederson .		101 FLA		009,0501	6130 E338	3	1			
Uniter	Child cold of anna free	A load prosis tore	-14-	Wat	1200	Test								
Fart	Title Hour of a exceptional smantament	At least show a 2-rearding 1		han weet			-		-150 -150	-24-	÷			

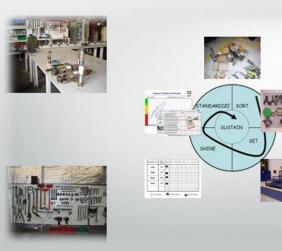
All Section 2010 Constraints and a section of the section 2010 Constraints and a section

# **Kaizen & Lean Implementation**

- Lean manufacturing philosophy
- Process map development
- Total Production Systems
- Just-in-Time (JIT) Production
- Continuous improvement & waste reduction
- Lean auditing and report-card feedback
- A3 Business Improvement Plans









NB.



# As3834-2 Document Requirements NB, QC

			ALITY, WHS & ENVIRONM								• AS		
	-	-											
And in case of the local division of the loc	THE REAL PROPERTY AND	A Loss and Annual An	STATISTICS.	The local division in	(interest		-	-					
	A Real and the summer of the subscript	Rent of the site based after site	217-sk-to-party		-	And in case of the local data	here bet	and of each of each die				$\Lambda I \Lambda \Lambda$	/eldi
and provide the contract of the rank.		ingeneral das seine products annuts in		print to second subsets of order	Supervised in the local division of the loca	to all the second second second						• • •	
And which alloy all planting of all sufficiency	Succession a set-fiel		Note to be under the other of the	Next of depart of the polyan state and all and a state of the second state of the second state of the spin of the	Arits Ar	10							
	In the set content of an one because and increases and an other set of an other because	Contract of second participation	a landades ella superiori sitali ha		Same a	of a sense of the best station of the term	-	eten.					
and a second	is factor, and recently an estimate is spatial input to be partial path instantion.	Name and string particularly in a difficulty of impropriate later	<ol> <li>Andrease of the training program inspect in transformed program.</li> </ol>	All Reports & Social Deliver Bridley	-	And don'to topic coloris, and	-	unde repeters				200	~ 4 ~
	Internet of States of the States		to writing and all printeds	inches							• A.S	5.3X	34 S
And a supervise	Charles Depart of Arthony and			grown patholic cellular.							/	200	
without suprema intervent larger.	and the second s	Instantion international la sublication	an teles patienal. El genitador la registra del techog	and standards			a finin'i sa	an and an excitate and					
water a state of the second se		pater the title and the providence of the second se						-					
		the second second	A standing of the second stands of the second standing of the second	property of the second			-	at solligion					
		Ramo d'an ilea transis diaman	programming approximation	action dependences			eleration	and the second second second					
		sainting to marke a particulation with a		Property in the second se	No.	Element		ISO 3834-2	ISO 3834-3		ISO 3834-4		
offs an experience regime at a setter		City and a lot of the second	A distance of the late	ansate and a second second second	1	Review of requirer	ments		review required				
advantage of additionation on			Party of some \$1 string souther	Witness of Solid Long-Solid	1	1	l	record is required	record may be required	10000	rd is not required		
Allen		Annual and a second sec	totali o pidate:	Companying the Oderson station includes a	$\vdash$			record is reduited		Liecor	a is not reduied		
addining the second		School a spatiation test is an equival sequences in the second se	A Classification of the sampling or colored	and the second s	2	Technical review			review required				_
THE ADD. DOLLARS AND ADDRESS OF THE			production 1. The control of parallel gives and the to provide out	for any dama property.				record is required	record may be required	recor	rd is not required		
and a second spectrum of the second spectrum s		Contraction of some party of the local division of the local divis	Contractory of the local data	Instant in the set of	3	Sub-contracting		treat like a manufacturer	for the specific subcontracted presponsibility for guality remains	aroduct, s	services and/or		
and the local data		presidente de la companya	Name of the state	and to all larding the big second to	4	Welders and weld	ing	activities, nowever final	qualification is required	with the	manufacturer		
anders with some fight and give			Test data and not intended or other second		5	operators Welding co-ordina	tion			1			
many and the first property of	1	- open and the second sec	ne agus agus gub gub de			personnel		re	quired	no spe	ecific requirement		
dia amin'ny fisiona dia mandritra amin'ny fisiona amin'ny fisiona dia mampina dia mampin Tanà amin'ny faondro dia mampina dia mamp Tana mampina dia ma		- come and control or property of the later	All Superior & consider and the second s	No inspector & hosing sites and approximately the second particular of an anti-angle of	6	Inspection and tes personnel			qualification is required				
the star benefit and a second probability of the second se	1	the state of the second s		- Andrewski	7	Production and test equipment	sting	suitable and available a transport, lifting in com	s required for preparation, proc bination with safety equipment	ess exec and prole	ution, testing, ective clothes		
		- Sedim in scheroberrig	Party represents an evening to other	Aprent Mathematica Anting	8	Equipment mainte	nance	required to provide ma	intain and achieve product	T			
		- And the set of the date of a being in the	Automation and and and and	- to the mode and a - the state and a second	Ľ			con	formity	00.00	ecific requirement		
		And the same of th	etchadet	and a start strength of the set	1	1		documented plans and	records are recommended	1 no spe	some requirement		
		Instrumentation constitute and advanced and advanced and advanced instrumentation of the second second instrumentation of the second	To Brook Standing	Tel Insuito a fue fung	-	Description of	in mont	records are required			alfa samiran i		
		take of exception in the Der sold high is able to	Name of the state of the set of t	Name and country when its further an appropriate its following any boundary of the state of a local prior. Not observe for granting prior and state of the section	9	Description of equ Production planning			required juired	no spe	ecific requirement		
		- and the distantion of the section	The product and fairs assesses which the	and the second second second	10	Production plannin	~~		1	-			
		A contract function of the second sec	The second second second		1			documented plans and records are required	documented plans and records are recommended	no spe	ecific requirement		
		and the second s	Anna anti-transformation and anti- statements		-	Welding	_	-		-	colfic reas deserves t		CHAIFEDRING BUILD
		Non-second dates require to be applied on			11	Welding procedure specifications	8	ree	uired	1001	BANKAW		SINEERING BULI
		- Be collider of size or electricity regeneric spectra bet of the space of the polynomial	Active that is the segmentar for the specification and the pathwarms of plants and the although active		12	Qualification of the	0	rei	uired	no			uldelines for We
		1. The last stat and by construction the manifest	a francessian of a strength of the second str		13	welding procedure Batch testing of	75		1	1		Sanlaw Fuel N	Aanagement Sys
		Cheven of a set of a set of the s	and the second second second second to the second second		14	consumables Storage and hand	ling of	if required	no specific n	De	scription		
		Control Descriptions in the	the way thread an old the tendent life		1	welding consumat	bles	a procedure is required recomm	in accordance with supplier tendations	15	is anglowering suffer in defines smart source subs and pipework we king it mise workshap as on an offere site load	organization, required on and for- aring conservation, repair an clone for Last managements	rongurboza neguliterterte for Ny 16/or melittertertos activities viti 1/2007 s
		Comparison Property Comparison of a second state and a second state Second state and second state and a second state and a	And a second sec		15	Storage of parent material		protection required from	influence by environment; aintained through storage	no			
		In the part of the West's Wardshift of the second s	It is a series of the series o		16					+ 1		ma la AG	and
		clinite manufacture and	TO DESCRIPTION OF THE OWNER.		Ĩ				rements according to product fications are fulfilled		Street States of the local		
			Response of the second se			Post-weld heat tre	atment	procedure, record and traceability of the record to th product are required	e procedure and record are required	nd		1	-
			Report Problek plane natiopalité Representation		17	Inspection and tes	sting		•				410 4
			Personal and a second s			before, during and welding	l after		quired	_			
			Part canto		18	Non-conformance corrective actions	and		rol are implemented I/or rectification are required	me	1.0.00		Apropile - Centers Pry Units
		1	BART FOR PROFE DELANTS		19	Calibration or valid	nation	procedures for repair and	inor recollcation are required	+ •	5	200	nast Office. Generhead rein
Concernant Contrast Statione	Texts: Sprint Report First Spring Party	distantana Galerant ngew	Protociles placing pressions Antipipation for sure in more	Transfer & Tal Tale Provident & Tale Tale	1.2	of measuring, insp	ection	required	if required	nos	ne y	-	
the Sector Science	Automotive Automation Providers Prints	Sectors while	Test returns	HTTE Samular for fights Fight (FTRacks	20	and testing equips			1	+	ALL ALL	-	Automation and a state of the s
de transitioner	- Bart & Broken Transmission Intellige - Rodrigen State Regard Roll Table	Autoriologia Statistica	Construction of the second sec	And a factor of Constant of Constant Constant of States		process	·.d		quired	nó		1 7	van - senise north wherite 4. sekane Blankev.cm het.aca
ter, d'Pariller ar Schlade Promiser			Angelies & San Park Calculus & addition providents	100000	21	Traceability		if re	quired	no s		1	±+1.775.777.7795
and the later of the second se			Hardweiter Installerenzen Hardweiter		22	Quality records	100000	a future and	if required	-	ar), unbelte has ingle-marine alloc it disclose	a moderit and among topallar	webits - any baring or
Arlanding to Noting posters 1 Supervision			And Scattering States					arten		-	•		
			And the Association of State o							1.00	MOX SEAXHIERD	Grand Con	2   1 op Exploreting and etigen within a pri Page Soc ( 1720
Sec. W. I	Control Loope Research 1	Report Lange L	ICAN NA WEAKING	hardware # 1	-	Lake .	la contra				Wahar Mala	Des.	Page Soc ( 1620)
Contraction (Sec. )	Prevalence Mill 1	Promote Review and Md. 10	Phaladar Press, PEL 17		instance of	18	State of State	and all of					

- 4.2 management system implementation
- Iding Technologist, Inspector & Supervisor
- 4 System Certification through WTIA





-			
Ап	LA	w	

Sconson Mar	E-mail and Gallache	define.			
		20010,1001			
5		Verter ACTURE			
•	Hejervetsion updateurs leters usinde Aeld menegement process flow regular				
Seniew HSEC	Performance Standards				
NUT P SI NUT	Converse of the internet of constant sensery and conversion are preserved interpreted of the observed of the observed of the observed of the set of the observed of the observed set of the observed of the observed set of the observed of the observed set of the observed of the observed read on a the observed of the observed of the observed of the observed of the the observed of the observed of the	suring and watering yield that extension, assume and certifi- the damps, device analysis along systems, labelesion and must all characteristic devices from and explorement. In sity and the copy light chara-	The quality the by the dataset end when you are when when any system chart on be angoing		
loon Torranki	SARCER, All rights can formed by the copyright convertions are means at to meaning the prior written convert of confidential informatics of ansatzer, <u>Mod.2012</u> , an an written convert.	www.ww. opposition in a last, e.e., as the dock ment in	ficie or it pers competitie		
Unted below are	the Registered Tracements of Barlan Pa	1			
tardine" Landine Hullings Randine Hullings	an under Riefer	nta tualing** climata mik ** forefluoX**			

	BA	NLAW			
ite	nts				
	oquani				
'n	portant l	alary information			
24	pees				
201					
۰.	wiences				
-	dd Mara	servers Susan C	-	dan Mes	,
	dd Mara	incert fracture F	¥4		
۰.	reality				
1	and a	dates on the laws	ar Good		
	* atani	treet			14
2	*2010s	In stilling Chan			
	dara fai	Mertfintiet			
÷	Value	Toolaid Wy			
2	monte	e photo-de plana			
٦,	Veidne	No.inmart			
i.	Abrida	frenker Am B			14
4	11 PM	a alfed it aiding in			
u		Plantice 2' welding	procedure	t, mating at a	H Einvitter erubsoorg
2	ANISY	Feranreal			
u.	23 COF	parance of weights			
Ω.	23 000	patarica of stalking	Sugarviso:	¥	
4		fierienterer y k	inners.		
		VI Accordity			
1		god formation Shorts			18
2	hacto	A censideration e.a.	ing fatrics	ric	
۹	Smills	. to state the	e		78
٨			onerts		ни
۹		*****			10
2					
2					······································
2		e cr fed nu			11
8	ABICS	TART TO MORE THREE A	Cive TREA	£	12
	2-2-	Reconstant		Louise 15	CTL- 11 Grap Eng new int test
	Art.	18/08/5214 5581	0.796	Caret	Getage sing bearing beat Conclusion of Mariator
	-	Minister & Market			Catality 3 of 2

# **Weld Procedure & Qualifications**

								CRIPT			Consu			PROCE	Ided one :		V & FCA	1/(m)				-
		NGI	IEERI	NG P	IYL	ID		ITION		PA - FI		mapi	es	MATER		Bisallo		wv(m)	To:	AS3978 – Gr 3	50	-
USTO	MED	SDEC		AS155	115	2	105	mon	REFER S		ai		I	AS1554		Disait	Combin	ad laint	T1	40 mm T2	50	m
OINT				B-P 2					PASSLO		N & SF		NCE	A31334	.4 51		Thickne		T3	mm T4	50	mm
4	0mm E	) Iis 400		7		Plate			2	/3 FCA	w			3 GMAV	/		PREHE/ PREHE/ CHECK MAX. IN PREPAP INTER-F GOUGIN GOUGE GOUGE MAX. BI WELD F	METHOD TER/PAS ATION M PASS CLE IG METHO DRESS: CHECK M EAD WIDT	DD: ERATURE: S TEMP: IETHOD: ANING: OD: METHOD: [H:	67.50 to Gas Torch 125°C ± 20°C Laser Thermol 200°C ± 20°C Machined Wire Brush / G N/A N/A N/A Stringer As Welded 15 - 20mm	neter	2.00
				AC							avel	lles	t Input		EI I		EFFOIL		oncoor.	; 15 - ZUIIIII		
ocess		tun quence		DC+	An	•		olts V	Wire Feed Speed mm/min	Sp	eed		•	Trade		CTRODE lassifica Grade	tion	Size mm	Trade Name	FLUX / GAS		Flov
	Se	quence	pass Temp	DC+	An	A				Sp mm		K	i/mm 1.20		(	lassifica	tion	Size mm	Name	Classification	1/	
	Se		pass Temp	DC+ DC-	,	A 85		v	Speed mm/min	Sp mm	eed /min	K	i/mm	Name	(	lassifica Grade	tion 503AH	mm			1/	<b>mm</b> 15
MAW	Se 1 8 12	to 1 13 to 5	pass Temp 143°C	DC+ DC-	28 256 33	A 85 313 32	27	V 30 32 28	Speed mm/min	Sp mm 4 363 4	eed /min 28 492 75	K 0.84	/mm 1.20 1.66 1.17	Name	rc ES6	Grade Grade -GC/M-W ER70S- A5.20: E	tion 503AH 6 71T-1M	mm	Name Air-Liquid	Classification 25 CO <sub>2</sub> +	17	/ mm 15 1 15
WAW	Se 1 8	to 1 13 to 55 68	pass Temp 143°C 5 187°C	DC+ DC- DC+	28 256	A 85 313	27	V 30 32	Speed mm/min 8350	5p mm 4 363	eed /min 28 492	K 0.84	/mm 1.20 1.66	Name Moltena	rc ES6	Classifica Grade -GC/M-W ER70S-	tion 503AH 6 71T-1M	mm 1.2	Name Air-Liquid Arcal 8	Classification 25 CO2 + 75% Argon	17	15 15 15
MAW	Se 1 8 12	to 1 13 to 58 68 to	pass Temp 143°C	DC+ DC- DC+	20 256 33 298	A 35 313 32 365	27	V 30 32 28 29	Speed mm/min 8350	Sp mm 363 4 403	eed /min 28 492 75 546	K 0.84	/mm 1.20 1.66 1.17	Name Moltena	rc ES6	Grade Grade -GC/M-W ER70S- A5.20: E	tion 503AH 6 71T-1M	mm 1.2	Name Air-Liquid Arcal 8 Air-Liquid	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15
MAW	Se 1 8 12	to 1 13 to 55 68 to 0	pass Temp 143°C 5 187°C	DC+ DC- DC+	28 256 33	A 85 313 32	27	V 30 32 28	Speed mm/min 8350	Sp mm 4 363 4	eed /min 28 492 75	K 0.84	/mm 1.20 1.66 1.17	Name Moltena	rc ES6	Grade Grade -GC/M-W ER70S- A5.20: E	tion 503AH 6 71T-1M	mm 1.2	Name Air-Liquid Arcal 8 Air-Liquid	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	17	/ mm 15 15 15 1
MAW	Se 1 8 12	to 1 13 to 58 68 to	pass Temp 143°C 5 187°C °C	DC+ DC+ DC+ DC+	20 256 33 298	A 35 313 32 365	27	V 30 32 28 29	Speed mm/min 8350	Sp mm 363 4 403	eed /min 28 492 75 546	K 0.84	/mm 1.20 1.66 1.17	Name Moltena	rc ES6	Grade Grade -GC/M-W ER70S- A5.20: E	tion 503AH 6 71T-1M	mm 1.2	Name Air-Liquid Arcal 8 Air-Liquid	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15
MAW	Se 1 8 12	to 1 13 to 55 68 to 0	pass Temp 143°C 5 187°C °C	DC+ DC+ DC+ DC+	20 256 33 298	A 35 313 32 365	27	V 30 32 28 29	Speed mm/min 8350	Sp mm 363 4 403	eed /min 28 492 75 546	K 0.84	/mm 1.20 1.66 1.17	Name Moltena	rc ES6	Grade Grade -GC/M-W ER70S- A5.20: E	tion 503AH 6 71T-1M	mm 1.2	Name Air-Liquid Arcal 8 Air-Liquid	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15 1
MAW	Se 1 8 12 41 0	to 1 13 to 55 68 to to to to	pass           Temp           143°C           6           187°C           °C           °C           °C           °C	DC+ DC- DC+ DC+ DC+ DC+ DC+	28 256 33 298 0	A 35 313 32 365 0	27 26 0	V 30 32 29 0	Speed mm/min 8350 7620	Sp mm 4: 363 4 403 0	eed //min 28 492 75 546 0	Kj 0.84 1 0.85	//mm 1.20 1.66 1.17 1.58	Name Moltena Hyunda	rc ES6	Grade GC/M-W ER70S- A5.20: E SF-71M	tion /503AH 6 71T-1M C	mm 1.2 1.6	Name Air-Liquid Arcal 8 Air-Liquid Arcal 8	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	15
MAW	Se 1 8 12 41 0	to 1 13 to 5 68 to to to to s	pass           Temp           143°C           187°C           °C           °C           °C           oc           oc	DC+ DC- DC+ DC+ DC+ DC+ DC+	28 256 33 298 0	A 35 313 32 365 0	27 26 0	V 30 32 29 0	Speed mm/min 8350	Sp mm 4: 363 4 403 0	eed //min 28 492 75 546 0	Kj 0.84 1 0.85	//mm 1.20 1.66 1.17 1.58	Name Moltena Hyunda	rc ES6 ai AWS	Grade GC/M-W ER70S- A5.20: E SF-71M	tion 1503AH 6 71T-1M C	mm 1.2 1.6 N:	Name Air-Liquid Arcal 8 Air-Liquid Arcal 8 Report No:	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15
MAW	Se 1 8 12 41 0	to 1 13 to 5 68 to to to to s	pass           Temp           143°C           6           187°C           °C           °C           °C           °C	DC+ DC- DC+ DC+ DC+ DC+ DC+	28 256 33 298 0	A 35 313 32 365 0	27 26 0	V 30 32 29 0	Speed mm/min 8350 7620	Sp mm 4: 363 4 403 0	eed //min 28 492 75 546 0	Kj 0.84 1 0.85	//mm 1.20 1.66 1.17 1.58	Name Moltena Hyunda	rc ES6	Grade GC/M-W ER70S- A5.20: E SF-71M	tion 1503AH 6 71T-1M C	mm 1.2 1.6 N:	Name Air-Liquid Arcal 8 Air-Liquid Arcal 8	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15
CAW	Se 1 8 12 41 0 0 NOTE	to 1 13 to 55 68 to 0 to 1 55 68 to 0 to 1 55 68 to 0 to 1 55 68 to 0 to 1 55 55 68 to 0 55 55 55 55 55 55 55 55 55 55 55 55 55	pass           Temp           143°C           187°C           °C           °C           °C           oc           oc	DC+ DC- DC+ DC+ DC+ DC+ DC+	28 256 33 298 0	A 35 313 32 365 0 kets, car	27 26 0 efully b	V 30 32 8 29 0 end toe	Speed mm/min 8350 7620	Sp mm 4: 363 4 403 0	eed //min 28 492 75 546 0	Kj 0.84 1 0.85	//mm 1.20 1.66 1.17 1.58	Name Moltena Hyunda	rc ES6 ai AWS	Can / Ex	tion 503AH 6 71T-1M C C AMINATIO FING:	mm 1.2 1.6 N:	Name Air-Liquid Arcal 8 Air-Liquid Arcal 8 Report No:	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15
CAW CAW PECIAL ELDED	Se 1 8 12 41 0 NOTE BY:	to 1 13 to 55 68 to 0 to 0 to 55 68 to 0 to 55 5 5 to 0 to 1 13 68 to 0 to 1 13 55 5 5 5 5 5 5 5 5 7 7 7 7 7 7 7 7 7 7	pass           Temp           143°C           6           8           8           9 <td< td=""><td>DC+ DC- DC+ DC+ DC+ DC+ DC+</td><td>28 256 33 298 0</td><td>A 35 313 32 365 0 kets, car</td><td>27 26 0 efully b</td><td>V 30 32 38 29 0 end toe</td><td>Speed mm/min 8350 7620 s of all welds a</td><td>Sp mm 4 363 4 403 0 0 nd remo TG</td><td>eed //min 28 492 75 546 0</td><td>Kj 1 0.84 1 0.85</td><td>//mm 1.20 1.66 1.17 1.58</td><td>Name Moltena Hyunda weld</td><td>VISUAL SO</td><td>Can / Exst Can / Exst Can / Exst Can / Exst Can / Exst Can Tess RUCTIVI</td><td>tion 503AH 6 71T-1M C C AMINATIO FING:</td><td>mm 1.2 1.6 N: S:</td><td>Name Air-Liquid Arcal 8 Air-Liquid Arcal 8 Report No: Report No:</td><td>Classification 25 CO<sub>2</sub> + 75% Argon 25 CO<sub>2</sub> +</td><td>1/ 13 13</td><td>/ mm 15 15 15 1</td></td<>	DC+ DC- DC+ DC+ DC+ DC+ DC+	28 256 33 298 0	A 35 313 32 365 0 kets, car	27 26 0 efully b	V 30 32 38 29 0 end toe	Speed mm/min 8350 7620 s of all welds a	Sp mm 4 363 4 403 0 0 nd remo TG	eed //min 28 492 75 546 0	Kj 1 0.84 1 0.85	//mm 1.20 1.66 1.17 1.58	Name Moltena Hyunda weld	VISUAL SO	Can / Exst Can / Exst Can / Exst Can / Exst Can / Exst Can Tess RUCTIVI	tion 503AH 6 71T-1M C C AMINATIO FING:	mm 1.2 1.6 N: S:	Name Air-Liquid Arcal 8 Air-Liquid Arcal 8 Report No: Report No:	Classification 25 CO <sub>2</sub> + 75% Argon 25 CO <sub>2</sub> +	1/ 13 13	/ mm 15 15 15 1

confidentiality of Seovic Engineering Pty Ltd. The procedure shall only be valid for use with a printed coloured logo and original document issue stamp mark evident.

NB,QC

& Inspection Services

Т

WHICH DENFICATIONS

Weld On Littlen Point

INCRE CODARDS-VITE

(HIGHLIGHT THE GREY FIELDS AND PRESS F9 TO CALCULATE THE REQUIRED VALUES)



	Reclamati	on
Proce	edure	
	tick.	
Customer:	(C) THE	102
Project:		
Job No:		100
WRP No:	3	1 mar
Rev:	mall mark	
Prepared By	Noi B Benot	

	NBQC
able of Contents	
50.007	
Oncour	
MOT, Walder & Procedure Caulifications	
lated trap when	
and the mail of some	
Pand Important	
Weicer Quelifications - Reclematione	
Walker Qualifications - Via Standards	
Province and Gradillandormal's productions	
Detection over	
Colori Samouti Freness	
Wald Millions Preparation	
Proparatité	
Narwisin.	
Calling of Rawley Plains	
Consider Technology	
Proboar & Intoc.pass Requirements	************
Reference g Teleperation m	
Waiding Process	
Wide reg 12, must all tes	
Walking Paulacela Tealengue	
Waking Procedures - Fillets	*****************
W4.40	
Weiding Procedures Prezid	
	D
WEN2	
101 248	



- Weld Procedure Specifications
- Weld Procedure Qualification Records
- Weld Reclamation Procedures
- Visual Inspection Reports
- AS3834.2, AS1554, AS4041, AS2980, AS1210 etc

NB.

STITUTE OF WELDI

Neil Bradley Bennet







Particular Receiptor autority?

NBQC & Inspection Services Apr. 16802 595 381, Lewi 1, 537 Leke Haw Aspenden NOW 229 End: https://www.neuropenserview.com.m

# **Project Management**





- Tender & Contract Compliance Reviews
- Project Planning & Expediting
- Project Quality Management
- Sub-Contractor Execution Plans
- Technical Specification compliance
- Project Safety Dossier Files





# **Company Certifications**











	CTIVITY - OVERHAUL AND REPAIR OF EXPLOSION - OTECTED ELECTRICAL PLANT		
It is hereby settified that the activity	listed hences is licensed in accordance with the requirements of the Cost thes licence is innered persuant to the provisions of Classer 150 of the Cost		
This licence is level to	DBT Australia Pry Ltd. ABN 68 001 253 470		
	20 Kullan Close, BERESFIELD NSW 2322		
Address of Lionnee Holder :	P.O. BOX 373, BERESPHILD NSW 2322		
Lisence somber	MLA077656		
Issue Date	17 December 2007		
Enginy Date	16 June 2008		
Specific Lionce Regulation	Coal Mine Health & Safety Regulation 2006, PL5 CL149(a)		
Specific Licensed Activity	Overhead and repair of explosion-protected electrical plant of the type referred to in CMRER 2005 classes 19 (1):10 (0)		
Suge of Lansed Activity	ASSO25 3000200 – District equipment for explosive atomphenes - Desthant and especie: - Distribution (Ex. d) - Interment of (Ex. d) - Interment of (Ex. d)		
	Rater and type of each matter - Planegroof exclosures and electrical superposet isotafied within an molecure rated up to 11 kV (excluding resulting mathines) - Intrinsic safety products that are certified to the menu of isotaer applicate.		
	SAI Global, AS/NZS 3800 2005 Cortificate No.: SMRE20456		
Assessment Body & Registration	Lloyd's Reg. AS NZS ISO 9011-2000 Certificate No.: MRL 0935002		
nd Safey Arx 2000, the Coal Mi legalation 2009 (the Regulation) w lonce. The licence has appended to it, a lis resplied with by the licence holder.	issues holder's summing that the providence of the Oscoparisonal Headth has been dealed and Solely Act 2020 and the Club Maria Machina and Solely consequence with the Solely Maria Machina and Solely act and the second and the Solely Maria Machina and Solely and the second matrix and applicable to this lemmed activity which must be a 19 $/12/222$		



	®
CERTON	ICATE OF APPROVAL
The bits with the	Interpretary Management Operation
	Diesel Plu Lid
	es, New South Wales
	Australia
na karanana n Tutunining Ju	planar z Weglen v Oscalný dziavnoste Ma Alimagenerat Zanetr Sandande
1	PSiD 9007:2606
Sa casarts day	egacol ann komballe
	supply, operand, commissioning microcrassic mining equipment
ARTER - ALLER STORES	Auguliyanal responses
trana a ang ayan	Constitution 2015-956 2017
	Inspect Kony, Maganeta and
	Same Wathington
	and do received and
	and dependences
d) 115-610	we grad and
2 15-00	and of the second

AND CARDIN

	a second	3	
		Ž.	
	A.S St	strallen andard	
CEI	RTIFICATE O	F REGISTRATION	
		WORKSHOP	
		he angletive azart please - Oraclasal and report of an Activity of the Oraclescence	
		ralia Pty Ltd	
	1.00	INIC:	
		NOLE QUILITIAN AL AVRIAL IN	
ANDER	La marche d'altra d'arte i britte patronali y Nel anti d'arte attende	(Also, "All price of sector Device of Remaining Control International Control of the Social Control of Social Control of the International Control of Control Ones Control Control of the International Control of Control of Control Social Control of Control of Control Ones Control Ones Control Social Control of Control of Control of Control Ones Control Social Control of Control of Control of Control of Control Social Control of Control of Control of Control of Control Social Control of Control of Control of Control of Control of Control Control of Control of Contr	2
4.04 m.760%	<u>.</u>	ومحمد ومحمد المحمد المحمد الأكر المحمودات	
	Terepronifice and particular of	nan mini artin und schnister, nömde	
	Constant Star Manager B	Cart and Acad 20 (404 207) Dates table of April 200	
A	Ge.	Macher	
Alex Institution	- Generic Mistage of SUI Cover Conference Context (p	s norman harring harring a	•

		Australian Standard			
CER	TIFIC	ATE OF REGI	STRA	TION	
AS/NZS 38		RTIFIED WORKSE		toul and repair	
		SAI Global hereby certifies			
B	icyrus A	ustralia Undergrou	and Pty	Ltd	
	20 Kullar	u Close, Beresfield, NSW 2322, AU	STRALIA		
Reports insold by Confference 20	de Confict Kinksh la conficción à gra	erf. (SINDS 3000 for scope of work as specific postal for valid out) -sheat append by the rele- need adjust to the arms and condutione outlo Competent Person	nin Conpense Po ni in 540 Girini -	noro specified on Als leasener QGD-13	
Stephen Janes Technique: Ex.d machington, Ex.Ld Ex.c				red Williams	
Ferdericat	Grange Ar	Epojamar (George I)	(6	ray 0	
Oran M2		John Dabell		Draig Miller	
	www.Nu.; SMRE20		Date: 21 Jace 2		
Score of Analotonica	m Date: 17 Decers)	Ser 2007 Expery 1	Date: 27 June 200		
	ophotes presented on the	anin Kalicrich'stagment Giosp (1.4) do 1990 iuli	and in the first women little		
Patheiper 25.4		Plane Page		Failingsidever	
bi bi		Sectore d. Exceleted Equipment		125.3.34P	
61	-	Parang Walnes			
61	PNV, PNEE J94	CD PhD: Saleshik And CL Princ Green Lin	in 2.8.Ropai	135	

