



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.nbqcinspectionsservices.com.au

Linked  

NBQC
& Inspection Services
ABN: 16 892 536 381

+61 437 808 989

*Identifying Value-Add
Opportunities For
Businesses:*

- *Lean Management Principles*
- *Business Management Systems*
- *Quality Compliance Auditing*
- *Work Health & Safety*
- *Welding Technology*



NBQC & Inspection Services

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



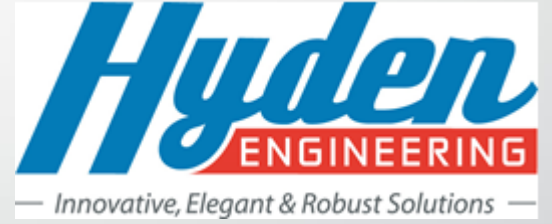
About NBQC & Inspection Services



- ✓ 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
- ✓ ISO9001 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



Management System Certifications



global-mark®

- 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

QMS
Certification
Services

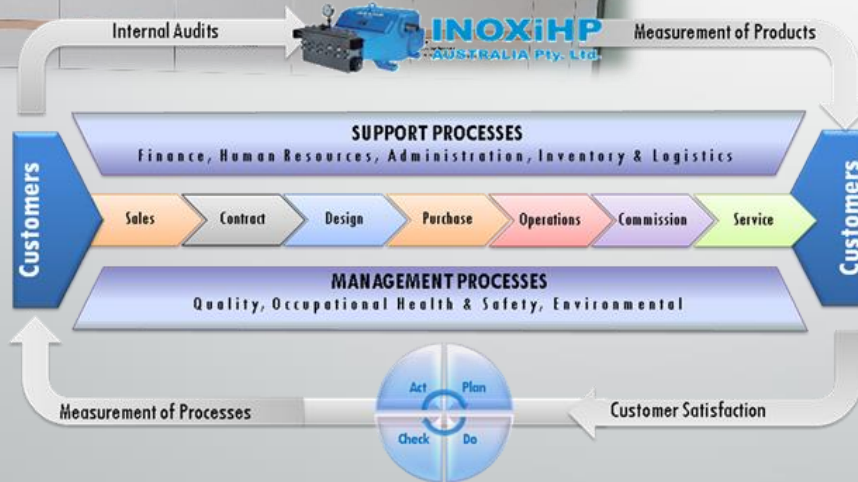
 Weld
Australia



Business Management Systems



- ISO9001 Quality Assurance Systems
- ISO45001 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

JAN 2015

118 Channel Road, Moggill West, NSW

ISO9001:2015 QMS



NB, QC & Inspection Services ISO9001:2015 Gap Analysis Report

Soovic Engineering Pty Ltd

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

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

EXECUTIVE SUMMARY:
OPPORTUNITY FOR IMPROVEMENT
 Question the evidence applied and findings of the audit observations below, although the management system is maintained in accordance with ISO9001:2008 there were numerous areas of 'NC' & 'C' identified to upgrade the Quality Management System to the new ISO9001:2015 requirements. These will need to be reviewed for consideration by management, so as to ensure appropriate corrective actions are implemented prior to the 2016 deadline. The contents of this report should be fully reviewed to fully understand the extent of the concerns and also to determine any ongoing system improvement opportunities.

C - Conformance:	16
CPI - Improvements:	29
NC - Non-Compliance:	14

NB, QC & Inspection Services ISO9001:2015 Gap Analysis Report

BACKGROUND INFORMATION
 The purpose of this Gap Analysis Report is to summarise the degree of compliance with the new ISO9001:2015 Standard which is based on sampling evidence obtained during the audit of relevant departments. This report contains your company's Strengths, Objectives, and Corrective Improvement Programs. Audit observations comments may include how suitable the objectives selected by your organisation appear to be in regard to maintaining customer satisfaction levels and providing other benefits with respect to policy and other external/interim needs. It may also comment regarding the measurable progress you have made in meeting these targets for improvement.

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, third parties as a result of or in reliance upon information contained in this report.

AUDIT RATING DEFINITIONS AND REQUIRED ACTIONS:
COMPLIANCE:
 Based on the samples provided and signed, appears to meet the company's Business Management System requirements and principles of ISO9001:2015 with evidence of continuous improvement measures.

OPPORTUNITY FOR IMPROVEMENT:
 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 ISO2015 principles. Findings warranting consideration and attention by the organization although not necessarily requiring remedial action.

NON-COMPLIANCE:
 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 specification. Such issues may raise significant doubt as to the capability of the management system to achieve its intended outputs for the process.

PERSONNEL AUDITED DURING VISIT:

Name	Position
Workshop Manager / QA Manager	
QA & Compliance Officer	
Purchasing Officer	
Storeman	

The purpose of the Entry & Exit Meetings is to:
 • introduce the participants, including observers and guests, and an outline of their roles
 • confirm the audit objectives, scope and criteria
 • ensure that all planned audit activities can be performed
 • ensure the complaints and appeals process in the audit findings/conclusions is understood by auditee
 • advise that the audit evidence collected was based on a sample of the information available
 • present the audit findings and conclusions so they are understood and acknowledged by the management

NB, QC & Inspection Services ISO9001:2015 Gap Analysis Report

PART A - Assessment and Rating Table - Summary of Findings

Element	Compliance (Strength)	Conformance (CPI)	NC	Op
4.1 Understanding the organization and its context	Y			
4.2 Understanding the needs and expectations of interested parties	Y			
4.3 Determining the scope of the quality management system	N			
4.4 Quality management system and its processes	Y			
5.1 Leadership and commitment for the quality management system	Y			
5.1.1 Customer focus	Y			
5.1.2 The management shall establish, review and maintain a quality policy	Y			
5.1.3 The quality policy	Y			
5.1.4 Organizational roles, responsibilities and authorities	Y			
5.1.5 Actions to address risks and opportunities	N			
5.1.6 The organization shall plan actions to address risks and opportunities	N			
5.1.7 The organization shall establish quality objectives at relevant functions, levels and processes	Y			
5.1.8 When planning how to achieve its quality objectives, the organization shall: a) determine	Y			
5.1.9 Planning of changes	Y			
5.2 Resources	Y			
5.2.1 People	Y			
5.2.2 Infrastructure	Y			
5.2.3 Environment for the operation of processes	Y			
5.2.4 Monitoring and measuring resources	Y			
5.2.5 Organizational knowledge	N			
5.2.6 Competence	Y			
5.2.7 Awareness	Y			
5.2.8 Communication	Y			
5.2.9 Documented information	N			
5.2.10 Creating and updating	Y			
5.2.11 Control of documented information	Y			
5.2.12 The control of documented information, the organization shall address the following activities, as applicable:	Y			
5.2.13 Operational planning and control	Y			
5.2.14 Nonconformity and corrective action	Y			
5.2.15 Prevention	Y			
5.2.16 Determination of requirements related to products and services	Y			

NB, QC & Inspection Services ISO9001:2015 Gap Analysis Report

8.1.1 Review of requirements related to products and services	Y	✓	✓
8.1.2 Design and development of products and services	Y		
8.1.3 Design and development planning	Y		
8.1.4 Design and development inputs	Y		
8.1.5 Design and development controls	Y		
8.1.6 Design and development outputs	Y		
8.1.7 Design and development changes	Y		
8.1.8 Control of externally provided products and services	Y		
8.1.9 Type and extent of control of external provision	Y		
8.1.10 Information for external providers	Y		
8.1.11 Control of production and service provision	Y		
8.1.12 Identification and traceability	Y		
8.1.13 Property belonging to customers or external providers	N		
8.1.4 Preservation	Y		
8.1.5 Post-delivery activities	Y		
8.1.6 Control of changes	Y		
8.1.7 Release of products and services	Y		
8.1.8 Control of nonconforming process outputs, products and services	Y		
8.1.9 Identification, measurement, analysis and evaluation	Y		
8.1.10 Customer satisfaction	Y		
8.1.11 Analysis and evaluation	Y		
8.1.12 The organization shall conduct internal audits at planned intervals	Y		
8.1.13 The organization shall plan, establish, implement & maintain audit objectives	Y		

8.2 Management review

8.2.1 The top management shall review the organization's performance	Y	✓	✓
8.2.2 The organization shall retain documented information	Y		
8.2.3 The organization shall retain documented information	Y		
8.2.4 Continuous improvement	Y		

8.2.1 The top management shall review the organization's performance and address the following activities, as applicable:

Item	Requirement	Rating	Notes
1	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
2	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
3	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
4	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
5	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
6	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
7	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
8	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
9	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
10	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
11	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
12	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
13	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
14	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
15	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
16	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
17	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
18	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
19	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	
20	Review of the organization's performance, including customer and employee satisfaction, and the achievement of the organization's quality objectives.	Y	

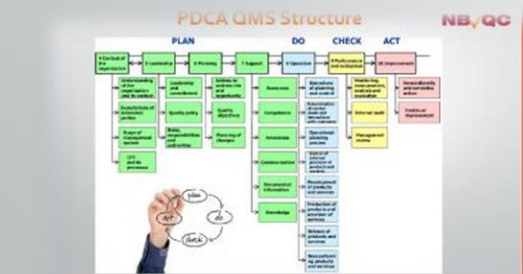
SUPPLIER SURVEILLANCE REPORT

Supplier Name	Supplier Address	Supplier Contact	Supplier Rating	Supplier Status
ABC Supplier	123 Main St, Sydney NSW	John Doe	Y	Active
DEF Supplier	456 Park Rd, Melbourne VIC	Jane Smith	Y	Active
GHI Supplier	789 Hill St, Brisbane QLD	Mike Brown	Y	Active
JKL Supplier	1010 Beach Rd, Perth WA	Sarah White	Y	Active
MNO Supplier	1111 Ocean Dr, Auckland NZ	David Black	Y	Active
PQR Supplier	1212 Harbor St, Christchurch NZ	Emily Green	Y	Active
STU Supplier	1313 Bay St, Dunedin NZ	James Blue	Y	Active
VWX Supplier	1414 Wharf Rd, Wellington NZ	Alice Red	Y	Active
YZ Supplier	1515 Quay St, Invercargill NZ	Bob Purple	Y	Active

SUPPLIER SURVEILLANCE REPORT

Supplier Name	Supplier Address	Supplier Contact	Supplier Rating	Supplier Status
ABC Supplier	123 Main St, Sydney NSW	John Doe	Y	Active
DEF Supplier	456 Park Rd, Melbourne VIC	Jane Smith	Y	Active
GHI Supplier	789 Hill St, Brisbane QLD	Mike Brown	Y	Active
JKL Supplier	1010 Beach Rd, Perth WA	Sarah White	Y	Active
MNO Supplier	1111 Ocean Dr, Auckland NZ	David Black	Y	Active
PQR Supplier	1212 Harbor St, Christchurch NZ	Emily Green	Y	Active
STU Supplier	1313 Bay St, Dunedin NZ	James Blue	Y	Active
VWX Supplier	1414 Wharf Rd, Wellington NZ	Alice Red	Y	Active
YZ Supplier	1515 Quay St, Invercargill NZ	Bob Purple	Y	Active

SUPPLIER SURVEILLANCE REPORT



QMP 6 - Evidence-based Decision Making

- Statement**
- Decisions based on the analysis and evaluation of data and information are more likely to produce desired results.
- Rationale**
- Decision-making can be a complex process, and it always involves some uncertainty.
 - It often involves multiple types and sources of inputs, as well as their interpretation, which can be subjective.
 - It is important to understand cause and effect relationships and potential unintended consequences.
 - Facts, evidence and data analysis lead to greater objectivity and confidence in decisions made.

QMP 7 - Relationship Management

- Statement**
- For sustained success, organizations manage their relationships with interested parties, such as suppliers.
- 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 New Clause Structure



- Management Training on new revision and updates
- ISO9001:2015 Gap Analysis Audits
- Process Mapping
- Internal & External Compliance Auditing
- Sub-Contractor Surveillance Auditing

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



A3 Business Improvement Plan

Project 012 - Proposal for In-House Manufacture of Frames & Components

1. Purpose:
To obtain the lowest possible total cost of FSL-10 frame manufacture and associated components with increased quality, lower leadtimes in a standardized lean process.

2. Current Situation:

	Front Frame	Rear Frame
Manufactured in:	CHINA	CHINA
Freight & Duty	1,100	1,100
Quality Inspections	1,100	1,100
Research	1,100	1,100
Additional Work & Painting		
CHINA LANGSHANG	100,000	100,000
TOTAL FABRICATION SERVICE	103,300	103,300
JMD ENGINEERING	10,000	10,000

3. Target:
Manufacture 36 of FSL-10 / Compact Loader in house by 2008
Reduce the total manufacture costs by roughly 10% of local manufacture
Achieve 100% start material & labour utilization to maintain Operation budgets

4. Risk:

- Increased quality level above "B" for typical requirements
- Payback period longer than expected if volume decreases
- Increase in Longwall orders could reduce machining capacity
- Risk for additional workshop & anc resources
- Global sourcing project obtaining competitive pricing

4. Proposal:

	STAGE 1	STAGE 2	STAGE 3
Resources Required / MKC per year:	15 mvc	20 mvc	30 mvc
Frame & Component: Rotator Age	2 ypa	-	-
Labour (Frame & Non-Frame)	2 ypa	6 mvc	8 mvc
2 Frame Weld Cables	3 of	0 of	0 of
Welding Machines	3 of	0 of	0 of
Purchase 2nd Hand Bore/MK	1 of	1 of	1 of
Draw & Milling Capacity (30kva / 2 vmt)	1 of	1 of	1 of
TOTAL COSTS:	75,500 SPINWAL	75,500 SPINWAL	90,500 SPINWAL

PROPOSED SAVINGS:
COST BENEFIT:

SAVING:

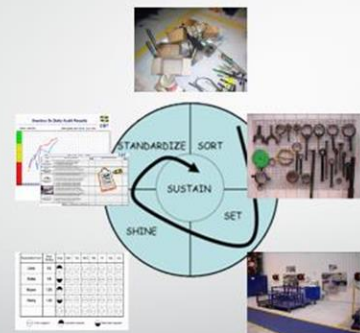
- Research
- 10% reduction local manufacture
- Increase in Labour Efficiency

DEFRACK PERIOD:
Stage 1 - 0.62 year
Stage 2 - 0.74 year
Stage 3 - 0.84 year

6. Costs:


	STAGE 1	STAGE 2	STAGE 3
Welding machines @ 50,000	1,500,000		
2nd Hand Cables @ 50k	1,500,000		
Jag Proposal Drawings	1,000,000		
Frame & Bore Frame Age	1,000,000	2,000,000	3,000,000
2nd Hand Bore / MK Machines	1,000,000		
Tools & Consumables	1,000,000		
Rely Tables & Slabds	1,000,000		
Jag Setup & Prototype Labour (in 2007)	1,000,000		

7. Schedule:
Stage 1 - August 2006 Stage 2 - January 2007 Stage 3 - June 2007



Weld Procedure & Qualifications

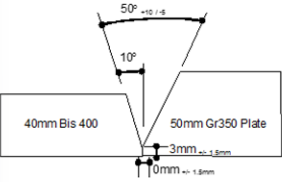





WELD PROCEDURE & QUALIFICATION

WPQR-603

DESCRIPTION: Close joint single-vee butt weld, welded one side		PROCESS: GMAW & FCAW(m)	
PRE-QUALIFIED: Joint & Consumables		POSITION: PA - Flat	
CUSTOMER SPEC: AS1554.4 SP		MATERIAL: Bisalloy 400	
JOINT PREPARATION: B-P 2a		REFER SPEC: AS1554.4 SP	
PASS LOCATION & SEQUENCE:		To: AS3978 - Gr 350	
		Thickness: T1 40 mm T2 50 mm T3 T4	
		CJT RANGE QUALIFIED: 87.50 to 135.00	
		PREHEAT METHOD: Gas Torch	
		PREHEAT TEMPERATURE: 125°C ± 20°C	
		CHECK METHOD: Laser Thermometer	
		MAX. INTER/PASS TEMP: 200°C ± 20°C	
		PREPARATION METHOD: Machined	
		INTER-PASS CLEANING: Wire Brush / Grind	
		GOUGING METHOD: N/A	
		GOUGE DRESS: N/A	
		GOUGE CHECK METHOD: N/A	
		MAX. BEAD WIDTH: Stringer	
		WELD FINISH: As Welded	
		ELECTRODE STICKOUT: 15 - 20mm	



40mm Bis 400



50mm Gr350 Plate

Process	Run Sequence	Inter-pass Temp	AC DC+ DC-	Amps		Volts	Wire Feed Speed mm/min	Travel Speed mm/min	Heat Input KJ/mm	ELECTRODE		FLUX / GAS						
				A	V					Trade	Classification	Trade	Classification	Gas Flow l / min				
GMAW	1	to 11	143°C	DC+	285	30	8350	1.20	428	0.84	1.66	Moltenarc	ES6-GC/M-W503AH	1.2	Air-Liquid	25 CO ₂	13	18
	8	to 13			332	27	7620	1.17	475	0.85	1.58	Hyundai	ER70S-6	1.6	Arcal 8	75% Argon	13	18
FCAW	12	to 55	187°C	DC+	298	365	26	29	403	0.85	1.58	Hyundai	AWS A5.20: E71T-1M	1.6	Air-Liquid	25 CO ₂	13	18
	41	to 68			298	365	26	29	403	0.85	1.58	Hyundai	SF-71MC	1.6	Arcal 8	75% Argon	13	18

SPECIAL NOTES: Control cooling with heat blankets, carefully blend toes of all welds and remove all abrupt changes in weld profiles.

WELDED BY: Tim Graham **WELDER IDENTIFICATION:** TG

PREPARED BY: Neil Bennett **TITLE:** Welding Technologist **DATE:** 27/04/2016

APPROVED BY: Ryan Crasta **TITLE:** Mech Eng / Project Manager **DATE:** 27/04/2016

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

NOTE: This Weld Procedure remains the property of Seovic Engineering Pty Ltd and is issued on the understanding that it will not be copied, reproduced, produced from or used in any way contrary to the 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.

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



INTERNATIONAL INSTITUTE OF WELDING

Having met the Education and Training requirements of IIW Qualifier International Welding Inspection Personnel and by examination having satisfied the requirements of the Examination Board of the IAW Authorized National Body

Neil Bradley Bennett


Date of Birth: 22/06/1954

Is hereby awarded the diploma of
INTERNATIONAL WELDING INSPECTOR
Comprehensive Level

Date: 12 June 2012 Diploma Number: AU1931070006



Neil Bradley Bennett
Chairman, WITL Qualifier and Certificate Board

Weld Reclamation Procedure

Customer: [Image]

Project: [Image]

Job No: [Image]

WSP No: [Image]

Rev: [Image]

Prepared By: Neil Bennett
Date: 27 March 2016




Table of Contents

1. SCOPE	2
2. WIT, WITL & Procedures Classification	3
3. WITL WITL & Procedures Classification	3
4. WITL WITL & Procedures Classification	3
5. WITL WITL & Procedures Classification	3
6. WITL WITL & Procedures Classification	3
7. WITL WITL & Procedures Classification	3
8. WITL WITL & Procedures Classification	3
9. WITL WITL & Procedures Classification	3
10. WITL WITL & Procedures Classification	3
11. WITL WITL & Procedures Classification	3
12. WITL WITL & Procedures Classification	3
13. WITL WITL & Procedures Classification	3
14. WITL WITL & Procedures Classification	3
15. WITL WITL & Procedures Classification	3
16. WITL WITL & Procedures Classification	3
17. WITL WITL & Procedures Classification	3
18. WITL WITL & Procedures Classification	3
19. WITL WITL & Procedures Classification	3
20. WITL WITL & Procedures Classification	3
21. WITL WITL & Procedures Classification	3
22. WITL WITL & Procedures Classification	3
23. WITL WITL & Procedures Classification	3
24. WITL WITL & Procedures Classification	3
25. WITL WITL & Procedures Classification	3
26. WITL WITL & Procedures Classification	3
27. WITL WITL & Procedures Classification	3
28. WITL WITL & Procedures Classification	3
29. WITL WITL & Procedures Classification	3
30. WITL WITL & Procedures Classification	3
31. WITL WITL & Procedures Classification	3
32. WITL WITL & Procedures Classification	3
33. WITL WITL & Procedures Classification	3
34. WITL WITL & Procedures Classification	3
35. WITL WITL & Procedures Classification	3
36. WITL WITL & Procedures Classification	3
37. WITL WITL & Procedures Classification	3
38. WITL WITL & Procedures Classification	3
39. WITL WITL & Procedures Classification	3
40. WITL WITL & Procedures Classification	3
41. WITL WITL & Procedures Classification	3
42. WITL WITL & Procedures Classification	3
43. WITL WITL & Procedures Classification	3
44. WITL WITL & Procedures Classification	3
45. WITL WITL & Procedures Classification	3
46. WITL WITL & Procedures Classification	3
47. WITL WITL & Procedures Classification	3
48. WITL WITL & Procedures Classification	3
49. WITL WITL & Procedures Classification	3
50. WITL WITL & Procedures Classification	3
51. WITL WITL & Procedures Classification	3
52. WITL WITL & Procedures Classification	3
53. WITL WITL & Procedures Classification	3
54. WITL WITL & Procedures Classification	3
55. WITL WITL & Procedures Classification	3
56. WITL WITL & Procedures Classification	3
57. WITL WITL & Procedures Classification	3
58. WITL WITL & Procedures Classification	3
59. WITL WITL & Procedures Classification	3
60. WITL WITL & Procedures Classification	3
61. WITL WITL & Procedures Classification	3
62. WITL WITL & Procedures Classification	3
63. WITL WITL & Procedures Classification	3
64. WITL WITL & Procedures Classification	3
65. WITL WITL & Procedures Classification	3
66. WITL WITL & Procedures Classification	3
67. WITL WITL & Procedures Classification	3
68. WITL WITL & Procedures Classification	3
69. WITL WITL & Procedures Classification	3
70. WITL WITL & Procedures Classification	3
71. WITL WITL & Procedures Classification	3
72. WITL WITL & Procedures Classification	3
73. WITL WITL & Procedures Classification	3
74. WITL WITL & Procedures Classification	3
75. WITL WITL & Procedures Classification	3
76. WITL WITL & Procedures Classification	3
77. WITL WITL & Procedures Classification	3
78. WITL WITL & Procedures Classification	3
79. WITL WITL & Procedures Classification	3
80. WITL WITL & Procedures Classification	3
81. WITL WITL & Procedures Classification	3
82. WITL WITL & Procedures Classification	3
83. WITL WITL & Procedures Classification	3
84. WITL WITL & Procedures Classification	3
85. WITL WITL & Procedures Classification	3
86. WITL WITL & Procedures Classification	3
87. WITL WITL & Procedures Classification	3
88. WITL WITL & Procedures Classification	3
89. WITL WITL & Procedures Classification	3
90. WITL WITL & Procedures Classification	3
91. WITL WITL & Procedures Classification	3
92. WITL WITL & Procedures Classification	3
93. WITL WITL & Procedures Classification	3
94. WITL WITL & Procedures Classification	3
95. WITL WITL & Procedures Classification	3
96. WITL WITL & Procedures Classification	3
97. WITL WITL & Procedures Classification	3
98. WITL WITL & Procedures Classification	3
99. WITL WITL & Procedures Classification	3
100. WITL WITL & Procedures Classification	3



Inspection Report

Report #: BR160075E
Rev: 0
28/04/2016

REPORT TYPE: Visual Examination **CUSTOMER:** Seovic Engineering Pty Ltd
SCOPE OF WORK: The Visual Inspection of laser cut and milled steel components and undertake at Seovic Engineering workshop, Newbur NSW **Client:** Ryan Crasta
 2a Gables Hill Road, Newbur NSW 2567 **Phone:** 02 4872230
 Seovic Engineering workshop, Newbur NSW **Order No:** SE2866

Technician	Location	Stage of Manufacture	Date of Inspection
Neil Bennett	Newbur	31 Feb - 31 Aug 2016	27/04/2016
Test Specification	Test Method	Product Standard	Assessment Standard
AS3978:2003	AS3978:2003	AS/NZS 1554.4: 5P	AS/NZS 1554.4: 5P
Surface Condition	Viewing Conditions	Viewing Magnification	Time Restrictions
As welded	AS/NZS 1554.4: 5P	1x	1h
Equipment	Technique	AS/NZS 1554.4: 5P	AS/NZS 1554.4: 5P
AS/NZS 1554.4: 5P	AS/NZS 1554.4: 5P	AS/NZS 1554.4: 5P	AS/NZS 1554.4: 5P

TEST RESULTS OF EXAMINATION	RESULTS
Q1 Q2 Weld Defects: No defects observed Welding Process: GMAW & FCAW Welding Position: PA Welding Orientation: Single-vee butt weld, welded one side Material: Bisalloy 400 Thickness: 40mm to 50mm Inspection Method: Visual	RESULTS Conforms






I, the undersigned, certify that the statements in this report are correct and the welds were prepared, inspected and tested in accordance with the requirements of the above Test Specifications & Australian Standards.

Neil R. Bennett
 International Welding Inspector - Comprehensive
 AUSTM 000046

NBQC & Inspection Services ABN: 16 852 205 281, Level 1, 327 Lake Road, Newbur NSW 2264
 Email: NBQC@seovic.com.au Phone: 02 4872230 WEB: www.nbqc.com.au



Weld Procedure / Welder Qualification WPQR 603
Welder: Tim Graham



INTERNATIONAL INSTITUTE OF WELDING


Having met the Education and Training requirements of IIW Qualifier International Welding Technologist and by examination having satisfied the requirements of the Examination Board of the IAW Authorized National Body

Neil Bradley Bennett

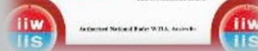
Date of Birth: 22/06/1954

Is hereby awarded the diploma of
INTERNATIONAL WELDING TECHNOLOGIST
Comprehensive Level

Date: 12 June 2012 Diploma Number: AU1931070006



Neil Bradley Bennett
Chairman, WITL Qualifier and Certificate Board



Project Management



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

