

OPERATIONS & SAFETY MANUAL

EFFECTIVE: 1 JANUARY 2010 VERSION III

WALSH & FORD

----- Established 1949 -----
BULK HANDLING SPECIALISTS

AUGERS

REPLACES VERSION 2005 II

ERIC WALSH INVESTMENTS PTY. LTD.
For THE ERIC WALSH FAMILY TRUST.

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www.walshandford.com.au

N.B. OWNERS/OPERATORS OF MODELS PRIOR TO JANUARY 2010 ARE ADVISED TO UPDATE SAFETY REQUIREMENTS AS PER DESCRIBED IN THIS DOCUMENT. DETAILED PHOTOS ARE INCLUDED ON THE WEBSITE UNDER MANUALS IMAGES/AUGERS.

TABLE OF CONTENTS

1. INTRODUCTION/ SIGN OFF FORM.
2. SAFETY/P.P.E.
3. ASSEMBLY.
4. TRANSPORT.
5. SET UP OF UNIT FOR WORK.
6. OPERATION.
7. HYDRAULICS.
8. MAINTENANCE AND STORAGE/ MAINTENANCE SHED.
9. WARRANTY.
10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS WORKSHEET.
11. PARTS.
12. OWNER CONFIRMATION

1. INTRODUCTION

TO THE CUSTOMER,
IN THIS BRIEF INTRODUCTION TO YOUR NEW **WALSH & FORD** PRODUCT, WE WOULD LIKE TO ACKNOWLEDGE SAFETY AS YOUR NUMBER ONE PRIORITY IN THE USE OF ANY AGRICULTURAL PRODUCT WHETHER IT BE **WALSH & FORD** OR ANY OTHER SUPPLIER.

TAKE NOTE OF ANY RECOMMENDATIONS WE ADVISE IN THE SAFE USE OF ANY EQUIPMENT, AND PLEASE INDUCT ANY WORKERS / CONTRACTORS OF THEIR RESPONSIBILITY AND SAFETY IN THE USE OF THIS UNIT. ENSURE THAT THEY SIGN OFF AS A MATTER OF RECORD IN THIS BOOKLET.

BE SAFE, THINK SAFE AND CARE FOR YOUR WORKERS.

PETER WALSH

SERIAL NUMBER OF UNIT

THIS DOCUMENT HAS BEEN SENT TO YOU BY DELIVERY CONFIRMATION (AUSTRALIA POST). DIRECT SALE OF PROVIDED BY AGENT (RESELLER). WE REQUEST YOU ACKNOWLEDGE THIS BY RETURNING THE PRE-PAID ENVELOPE WITH THE SIGNED ACKNOWLEDGMENT FORM ON THE LAST PAGE OF THIS DOCUMENT. FAILURE TO DO SO WILL RESULT IN ALL LIABILITY ONUS UPON YOU , AND NIL WARRANTY ON PRODUCT.

WE AIM TO CONFORM TO THE AUSTRALIAN STANDARDS :-

AS/NZS	1554.1.2004	STRUCTURAL STEEL WELDING
AS	4024.1-1996	SAFEGUARDING OF MACHINERY
AS	1121-1983	GUARDS FOR AGRICULTURAL PTO DRIVES
AS	1755-2000	CONVEYORS SAFETY REQUIREMENTS
AS	3569	STEEL WIRE ROPES
AS	1418	CRANES,HOISTS AND WINCHES

2. SAFETY - AUGERS

- KEY POINTS -**
- A. SAFETY COMES FIRST.
 - B. SAFETY OF OTHERS IS IMPERATIVE.
 - C. IT IS YOUR RESPONSIBILITY TO KNOW THE OPERATIONAL REQUIREMENTS OF THE UNIT AND TO ADVISE OTHERS IN YOUR CARE.
 - D. IT WILL BE CONSIDERED AS MISUSE OF THE EQUIPMENT IF YOU, THE OPERATOR, ARE UNFAMILIAR WITH THE SAFETY OPERATION AND ITS ORIGINAL INTENTION OF USE.
- 2.1 FAILURE TO READ THESE INSTRUCTIONS AND FAILURE TO ACKNOWLEDGE THEM IS CONSIDERED AS MISUSE OF THE PRODUCT.
 - 2.2 DO NOT OPERATE UNIT WITHOUT SAFETY GUARDS ATTACHED OR OPEN.
 - 2.3 DO NOT REMOVE ANY PROTECTIVE MEASURES FOR ANY REASON.
 - 2.4 KEEP PEOPLE WHO ARE NOT INDUCTED IN THE USE AND SAFETY MEASURES AWAY FROM THE UNIT AT ALL TIMES BY A MINIMUM PHYSICAL DISTANCE EQUAL TO THE SIZE OF THE MACHINE. CHILDREN AT ALL TIMES ARE NOT ALLOWED IN THE VICINITY AS DESCRIBED ABOVE.
 - 2.5 ENSURE BODY / LIMBS / HANDS / FEET / CLOTHING ARE CLEAR OF DRIVE LINE, AS WELL AS PULLEYS AND BELTS.
 - 2.6 DO NOT MOVE UNIT WHILST WORKING OR FULL OF GRAIN.
 - 2.7 KEEP WELL CLEAR OF OVERHEAD ELECTRICAL HAZZARDS AND POLES.
 - 2.8 DO NOT OPERATE WITHOUT HOPPER ATTACHMENT AND KEEP CLEAR WHILST IN OPERATION.
 - 2.9 KEEP TYRE PRESSURE AT CORRECTLY INFLATED LEVELS (CHECK WITH LOCAL TYRE DEALERS IN YOUR AREA FOR INFLATION LEVELS).
 - 2.10 ON MODELS WITH EXTENDABLE AXLES EXTEND WHILST IN USE.
 - 2.11 DO NOT OPERATE IN STORM CONDITIONS OR STRONG WINDS IN ELEVATED POSITION. BEFORE CONDITIONS PREVAIL LOWER TO NORMAL HEIGHT.
 - 2.12 AFTER ANY USE LOWER TO NORMAL HEIGHT.
 - 2.13 NEVER REFILL WHILST IN OPERATION.
 - 2.14 ALWAYS OPERATE ON LEVEL GROUND. ENSURE FUEL AREA IS FREE OF DEBRIS AND ANCHOR UNIT IF THERE IS ANY UNEVENNESS TO THE GROUND.
 - 2.15 DO NOT ATTEMPT TO GAIN HEIGHT WITH FOREIGN OBJECTS UNDER AXLE OR WHEELS.
 - 2.16 FULLY LOWER TO TOW.
 - 2.17 SHUT OFF POWER AND LOCK OUT UNIT BEFORE ADJUSTING, SERVICING OR CLEANING UNIT.
 - 2.18 DO NOT MODIFY ANY PROTECTIVE MEASURE. FAILURE WILL RESULT IN NIL WARRANTY.
 - 2.19 MAINTENANCE CONTROL OF SAFETY BRAKE WINCH AT ALL TIMES WHILST RAISING OR LOWERING UNIT.
 - 2.20 DO NOT CLIMB UPON UNIT WHILST IN OPERATION OR IN NON-OPERATION MODE.
 - 2.21 USE PROTECTIVE CLOTHING I.E. GLOVES, EYE WEAR, EAR PROTECTION AND SAFETY SHOES.
 - 2.22 INSPECT ANY BELT CABLES ETC BEFORE USE IF DEFECTIVE, REPLACE BEFORE USING.
 - 2.23 DISABLE BY REMOVING KEY FROM POWER UNIT AFTER USE.
 - 2.24 ENSURE RISK ASSESSMENT IS COMPLETED PRIOR TO USE.

3. ASSEMBLY - AUGERS

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. THE AGENT OR DEALER IS RESPONSIBLE FOR COMMISSION/ASSEMBLY
 - C. **WALSH & FORD** CAN ASSEMBLE AND COMMISSION IF REQUIRED (COSTS WILL OCCUR)

3.1 AUGERS

- 3.1.1 UNITS < 35' ARE TRANSPORTED ON ROAD WITHOUT ESCORT. NOTE: CHECK FOR ON ROAD RULES APPLYING TO YOUR STATE. CHECK WITH YOUR LOCAL STATE DEPARTMENT OF TRANSPORT.
- 3.1.2 UNIT > 35' ARE TO BE A. DISMANTLED OR B. LOADED ONTO LOW LOADER FOR TRANSPORT.
- 3.1.3 35' = 10.7 METRES

4. TRANSPORT - AUGERS

- KEY POINTS -**
- A. SAFETY COMES FIRST.
 - B. KNOW YOUR STATE'S TRANSPORT REQUIREMENTS.
 - C. BE AWARE OF ELECTRICAL HAZARDS.
 - D. USE APPROPRIATE TRANSPORT AS REQUIRED I.E. DISMANTLE UNIT FOR TRANSPORT IF UNIT DOES NOT CONFORM TO STATE REQUIREMENTS. FREIGHT TRANSPORT SPECIFIC FOR MOVEMENT OF UNIT.

- 4.1 TRANSPORT IN LOWERED DOWN POSITION AND EMPTY OF GRAIN.
- 4.2 ENSURE TOW PIN AND CHAIN IS SUITABLE FOR JOB.
- 4.3 ENSURE SIGNS, FLAGS, FLASHING LIGHTS ARE IN WORKING ORDER AND POSITION AS PER STATE REQUIREMENTS.
- 4.4 ENSURE ABSENCE OF OVERHEAD WIRES BEFORE MOVING UNIT OFF TRANSPORT OR AT SET UP.
- 4.5 TOWING SPEED, AS PER STATE REQUIREMENT, PLUS TAKE INTO CONSIDERATION ROAD CONDITIONS.
- 4.6 IF EXCESS DIMENSIONAL ENSURE PILOT VEHICLE IS TO BE USED.

TOWING OF UNITS WITH GROUND DRIVE SYSTEMS

- TO TOW UNIT MOVE HUB SETTING TO UNLOCK POSITION.
- TOW AT <15KM/HOUR. MAX DISTANCE 15KM. FOR ONE CONTINUOUS TOW.
- CUSTOMER IS ADVISED FOR GREATER DISTANCES, TO PURCHASE FROM WALSH & FORD ON SALE UNIT SPARE HUBS, TYRE HUBS AND WHEELS.
- ENSURE AFTER TOWING AND AFTER WHEEL HUB DRIVE MOTORS HAVE BEEN PLACED ON UNIT, FIRMLY LOCK IN BREAK-AWAYS.
- ENSURE CASTOR WHEEL ASSEMBLY IS RAISED WHEN TOWING USE OF UNIT (DRIVE AROUND). NOTE: REMOVE CASTORS.
- WITH TAIL WHEELS HYDRAULIC JACK/RAM IN OPEN OR PRESSURE RELEASE POSITION, LIFT UPRIGHT TO DESIRED HEIGHT PLUS ONE METRE.
- ACTIVATE RAM/JACK TO TAKE PRESSURE WITH TAIL ON GROUND.
- LOWER UPRIGHT BY ONE METRE (THIS WILL ALLOW TAIL TO RAISE OFF THE GROUND).
- UTILISE LEVERS TO STEER HUB DRIVE WHEELS.
- MOVE UNIT SLOWLY ALWAYS (DO NOT MOVE LEVERS IN OPPOSITE DIRECTIONS QUICKLY OR FORWARD/BACKWARD TOGETHER FAST) THIS WILL RESULT IN LURCHING BY MACHINE THAT HAS NO BENEFIT TO OPERATOR OR MACHINE.
- STEER UNIT TO DESIRED POSITION UNDER SILO OR TO ABOVE POSITION FOR SILO INLOAD.
- LOWER TAIL TO GROUND, VIA RAM/JACK.
- LOWER HEAD INTO SILO ETC.
- AFTER USE ALWAYS LOWER TO NORMAL GROUND HEIGHT, PROCEED TO CONVEYOR/AUGER OPERATING INSTRUCTIONS.

5. SET UP UNIT FOR WORK - AUGERS

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. KNOW THE AREA AND CONDITIONS THAT YOU ARE GOING TO WORK WITH FOR HAZARDS.
 - C. FORMULATE AND DOCUMENT JOB SAFETY AND ENVIRONMENTAL ANALYSIS WORKSHEET FOR UNIT'S INTENDED USE.

5.1 AUGERS - OPERATIONAL CHECK

- 5.1.1 CLEAR AREA OF UNAUTHORIZED PEOPLE
- 5.1.2 CHECK FOR GROUND CONDITIONS, SLOPES, FOREIGN OBJECTS I.E. ANYTHING THAT COULD INHIBIT THE SMOOTH MOVEMENT OF UNIT.
- 5.1.3 BEFORE RAISING UNIT ENSURE THAT APPROACH IS CLEAR OF BOTH ELECTRICAL HAZARDS AND FOREIGN OBJECTS.
- 5.1.4 ENSURE FILLING IS TO THE CENTRE OF SILO. DO NOT FILL AT INSPECTION HATCHES.

OPERATING SAFETY GROUND DRIVE

- BE AWARE OF OVERHEAD POWER LINES!
ENSURE UNIT IS NEVER USED IN THE VICINITY OF POWER LINES.
ENSURE OPERATOR IS AWARE OF THIS.
- DO NOT ATTEMPT TO MODIFY/ALTER HYDRAULIC SETTINGS.
- DO NOT REMOVE/CUT HYDRAULIC LINES ETC WHILST MACHINE IS RAISED.
- MACHINE IS SET FOR WALKING PACE ONLY! DO NOT ATTEMPT TO ALTER SPEED SETTINGS!
- DO NOT ATTEMPT TO USE GROUND DRIVE AS A METHOD TO DRIVE TAIL INTO STACK OF GRAIN.
- WITH SWEEP FIXTURE DO NOT ATTEMPT TO STEER TAIL INTO GRAIN STACK. DRIVE AUGER OUT OF PAD AND RE-ALIGN TO POSITION REQUIRED.
- DO NOT CUT OFF SWEEP WIRE MESH.
- HOIST VALVE SETTING SHOULD NOT BE ADJUSTED.
- NIL WARRANTY IS UPON MACHINE FOR ANY UNAUTHORISED HYDRAULIC CHANGE.

6. OPERATION

- KEY POINTS -
- A. SAFETY COMES FIRST.
 - B. BE AWARE OF OPERATIONS CHECKLIST BEFORE START OF WORK.
 - C. ENSURE HOW TO SHUT DOWN POWER TO UNIT.

6.1 AUGERS

- 6.1.1 ENSURE ALL SAFETY GUARDS AND EQUIPMENT IS IN GOOD ORDER AND WORKING.
- 6.1.2 KNOW HOW TO PRACTICE HOW TO SHUT DOWN POWER TO THE UNIT.
- 6.1.3 ENSURE HOPPER IS ATTACHED TO UNIT AND FUEL LEVEL FULL.
- 6.1.4 MOVE INTO APPROACH OR SILO AND LIFT UPRIGHT VIA HYDRAULICS OR MANUAL WINCH WITH ROOM OF APPROXIMATELY 1 METRE OVER HEIGHT OF SILO. LIFT TAIL BY HYDRAULIC RAM/JACK TO MOVE TAIL OFF GROUND BY 0.2 OF A METRE.
- 6.1.5 MOVE UNIT IN ON APPROACH OF SILO SO SPOUT IS ABOVE SILO HATCH, VIA HYDRAULIC WHEELS DRIVE OR BY MANUAL MOVEMENT.
- 6.1.6 LOWER UPRIGHT VIA HYDRAULICS OR MANUAL WINCH SO AS SPOUT ENTERS SILO MAIN HATCH.
- 6.1.7 LOWER TAIL RAM TO PLACE TAIL ON GROUND.
- 6.1.8 ACTIVATE DRIVE AND CHECK FOR VIBRATION ETC BEFORE USE. RUN FOR 2-3 MINUTES TO PREPARE MOTOR FOR NORMAL OPERATION, THEN RUN AT MAXIMUM REVS.
- 6.1.9 INTRODUCE PRODUCT INTO HOPPER AND TARGET THE FLIGHT ON THE RIGHT HAND SIDE AS TO DAMPEN ANY FLICKING ACTION.
- 6.1.10 DO NOT SHUT DOWN MOTOR OR DISENGAGE WHILST RECEIVING GRAIN.
- 6.1.11 AFTER USE, RETURN UNIT TO NORMAL HEIGHT.

SWEEP USE

- 6.1.12 ENSURE SAFETY OF YOU AND OTHERS.
- 6.1.13 DO NOT MODIFY PROTECTIVE MEASURES.
- 6.1.14 DO NOT CHANGE FACTORY SETTINGS OF POP UP HATCH AND VALVES FOR HYDRAULICS.
- 6.1.15 ENSURE TAIL RAM HYDRAULICS IS CONNECTED TO SWEEP WHEEL RAMS.
- 6.1.16 DO NOT ATTEMPT TO LIFT TAIL WHILST SWEEP IS ATTACHED.

7. HYDRAULICS

- KEY POINTS -
- A. REFER TO MSDS FOR HYDRAULIC OIL INFORMATION.
 - B. ENSURE FOR ENVIRONMENT BY CONTAINING ALL SPILLS DURING AN OIL CHANGE/MAINTENANCE.

- 7.1 ENSURE BREAKAWAYS ON WHEEL DRIVE MOTORS ARE ENGAGED PROPERLY.
- 7.2 HOISTS ARE TO BE LEFT AT FACTORY DEFAULT SETTINGS.
- 7.3 DO NOT CUT, UNDO HOSES WHILST AT ANY WORKING HEIGHT. UNIT HAS SAFETY RELIEF BUILT IN FOR HOSE BREAKAGE.
- 7.4 WALSH AND FORD ADVISE TO CHECK AND REPLACE OIL AND FILTERS ONCE PER YEAR.
- 7.5 ENSURE NOT TO CHANGE FACTORY SET RELIEFS. FAILURE TO DO SO WILL VOID WARRANTY.

FOR SYSTEM DIAGRAM - QUOTE UNIT SERIAL NUMBER PLUS OWNERS' NAMES.
NO DISCLOSURE WILL OCCUR WITHOUT CONFIRMATION OF DETAILS.

8. MAINTENANCE

KEY POINTS -

- A. AUTHORIZED PERSONNEL ONLY TO PERFORM MAINTENANCE.
- B. ENSURE LOCK OUT PROCEDURES ARE IN PLACE,
- C. IF MAINTENANCE REQUIRES GUARDS REMOVED, ENSURE THEY ARE REPLACED BACK ONTO MACHINE AT END OF SERVICE.

8.1 AUGERS

- 8.1.0 DISABLE POWER SUPPLY AND LOCK OUT BEFORE ANY MAINTENANCE.
- 8.1.1 CHECK DRIVE BELTS FOR DAMAGE OR FRAYING. TENSION FOR CORRECT DRIVE.
- 8.1.2 ENSURE PULLEYS ARE FIRM ON SHAFTS, THEY ARE FACTORY SET WITH GRUB SCREWS LOCKTITED.
- 8.1.3 G BOX GREASE IS TRACK COMPOUND AND AT 45% WILL BATHE THE CROWN GEAR. THIS IS THE MAXIMUM LEVEL OF THE PRODUCT.
- 8.1.4 CHAIN AND SPROCKET IS ADJUSTABLE AT HEADSTOCK FRAME. ADJUST TO ENSURE CHAIN IS NOT LOOSE.
- 8.1.5 WIRE ROPE REQUIRES TENSION TO LIFT HEADSTOCK UP SO WHEN UNDER LOAD AUGER BECOMES STRAIGHT.
- 8.1.6 ANY PERSONAL PROTECTIVE ITEMS, GUARDS, DRIVE SHAFT GUARDS, MESH GUARDS AUGER BASE MUST ALWAYS BE REFITTED AFTER MAINTENANCE.

MAINTENANCE SIGN OFF FORM

PERIOD	AGENT	OWNER	WALSH & FORD	SIGNATURE
6 MONTHS				
12 MONTHS				
18 MONTHS				
24 MONTHS				
30 MONTHS				
36 MONTHS				
42 MONTHS				
48 MONTHS				
54 MONTHS				
60 MONTHS				
66 MONTHS				
72 MONTHS				
78 MONTHS				
84 MONTHS				
90 MONTHS				
96 MONTHS				
102 MONTHS				
108 MONTHS				
114 MONTHS				
120 MONTHS				
126 MONTHS				
132 MONTHS				
138 MONTHS				
142 MONTHS				
148 MONTHS				

MAINTENANCE SIGN OFF FORM

154 MONTHS				
160 MONTHS				
166 MONTHS				
172 MONTHS				
178 MONTHS				
184 MONTHS				
190 MONTHS				

9. WARRANTY.

WALSH & FORD as suppliers of agricultural implements / equipment provides this warranty for implements / equipment manufactured at Dalby, Queensland.

Subject to such other conditions, warranties and / or undertakings, which may apply from time to time under the laws of Australia and / or any applicable State or Territory thereof WALSH & FORD warrants with respect to each new item of agricultural implement / equipment that for a period of twelve months on agricultural implements / equipment from the date of the original retail sale thereof WALSH & FORD will repair or replace free of charge any part of such agricultural implements / equipment found to be defective in factory materials of workmanship under normal use and operation within Australia.

PROVIDED THAT:

1. The agricultural implement / equipment as the case may be has been properly;
 - a) set up and operated strictly in accordance with the recommendations set forth in the Owner's and / or Service Manual provided with the implement / equipment;
 - b) Used and operated strictly within the capacity and operation limitations specified by WALSH & FORD and;
 - c) Properly maintained and cared for;
 - d) Used solely for the purpose for which it was designed in customary agricultural operations ("intended use") Use in any other way is considered contrary to intended use.
 - e) All regulations, rules, practices on safety and / or occupational medicine and / or road traffic Acts and Regulations are observed at all times; and
2. The repair and replacement is carried out by an authorized WALSH & FORD Dealer / Agency, and;
3. The defective part is returned at the request of the authorized WALSH & FORD Dealer / Agency, freight prepaid.
4. On sale of the implement / . Equipment Dealer must disclose and supply details of Warranty in written form.

This warranty shall be void if any part or parts not manufactured or approved by WALSH & FORD are used either in the maintaining or servicing of the implement / equipment covered by this Warranty. No Warranty whatsoever is given on modified, altered or rebuilt machinery. Any arbitrary modification, alteration or rebuilding carried out on the implement / equipment will relieve WALSH & FORD of any liability whatsoever for and resulting loss, damage or injury.

This Warranty is not applicable to engines, electrical motors, clutches, universal joints, tyres and tubes, hydraulic motors, hydraulic wheel drives and hydraulic hose, rims, or any other component parts not manufactured by WALSH & FORD.

This Warranty does not extend to any consequential loss or damage however caused or arising, including failure in operation or performance of goods sold or repaired or replacement work or service performed thereon or thereto or any loss incurred, inter alia, for hire or unauthorized labour, supplies, substituted machinery or rented machinery or for any loss or damage incurred because of delay in harvesting or removal of crops or grain or for any event resulting in loss of crops, livestock or other losses nor shall WALSH & FORD be liable for any injury or negligence howsoever caused.

This Warranty does not exclude and necessarily applicable condition or warranty implied by the Trade Practices Act 1974 or any such condition or warranty implied by the applicable State Laws. Subject thereto, no warranty, guarantee or representation as to WALSH & FORD implements / equipment, other than as contained herein, is made or given by WALSH & FORD.

WALSH & FORD accepts no liability whatsoever for damage loss or injury howsoever resulting from misuse or non-compliance with and strict adherence to the operating instructions and safety manual.

9. WARRANTY (cont)

The following are the answers to the most frequently asked questions about the WALSH & FORD Warranty provided with agricultural implements/ equipment purchased through your authorized WALSH & FORD Dealer / Distributor.

1. When does WALSH & FORD Warranty period commence?

If the equipment was purchased as new equipment, the WALSH & FORD Warranty period will commence on the date the equipment was purchased new at retail. If the equipment has been purchased as used equipment the WALSH & FORD Warranty commencement date is the date on which the equipment was first purchased new at retail.

2. Who performs WALSH & FORD Warranty repairs or replacements?

While any other authorized WALSH & FORD Dealer may carry out WALSH & FORD Warranty repairs or replacements, the authorized WALSH & FORD Dealer through whom the equipment was purchased (the selling Dealer) has primary responsibility for performing WALSH & FORD Warranty repairs and replacements under the WALSH & FORD Warranty.

3. What should I do to obtain WALSH & FORD Warranty service?

Contact the selling Dealer or if that is inconvenient, any authorized WALSH & FORD Dealer, explain the problem you have encountered and arrange with the Dealer a mutually convenient time for the warranty repairs or replacement to be effected. Alternatively, contact may be made direct to Factory Headquarters at 4 Dan Street, Dalby, Queensland (P.O. Box 272). Telephone 07) 46626174. Facsimile 07) 466 22435.
Email admin@walshandford.com.au

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Unit _____ Site _____ Date _____

Tick

- | | | | |
|--------------------------|------------------|----------|-------|
| <input type="checkbox"/> | Normal Operation | Location | _____ |
| <input type="checkbox"/> | Maintenance | Location | _____ |
| <input type="checkbox"/> | Other | Location | _____ |

Name/s of employee/s completing this JSEA:

JSEA Title (specify job task)

Type of permit required

- Confined Space Excavation Hot Work Fall Risk Control Other _____

Special PPE Requirements

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Special Tools or Equipment Required (consider such things as gas detection, ventilation fans, lighting, scaffolding etc)

Potential Environmental Hazards Air pollution (dust, fumes) Spills to ground Dirty Water discharge Hazard flora/fauna
 Noise pollution (off-site) Spills to water Other _____

Hazardous Materials to be used (attach MSDS)

Fire/Emergency Requirements

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

Other Potential Hazards to consider

- G Electrical
- G Gas, dust, fumes
- G Manual Handling
- G Other
- G Occupational Noise
- G Chemical
- G Heat
- G Work at Height
- G Access & egress
- G Radiation
- G Other workers
- G Pressure (air, water, gas)
- G Light (illumination)

Special Training Requirements

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Prescribed Occupation (Certification) Requirement

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10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

C. Risk Assessment

Likelihood that the accident will follow to completion	
A. Almost certain	Most likely and expected result if the selected complete sequence of events takes place (1 in 10 chance)
B. Likely	Quite possible, not usual (1 in 10 to 100 chance)
C. Moderate	Would be unusual but possible sequence of events or coincidence (1 in 100 to 1,000 chance)
D. Unlikely	Would be a remotely possible coincidence (1 in 1,000 to 10,000 chance)
E. Rare	Never happened after many years exposure but is conceivably possible (1 in 10,000 to 100,000 chance)

Consequence	Injury/Illness, Damage, Environmental Impact
1. Noticeable	First aid, minor damage, contained spill
2. Important	Disabling injury, damage up to \$5,000, small uncontained spill
3. Serious	Permanent disability injury, damage \$5,000-\$500,000, spill or release requiring notifying EPA
4. Very Serious	Fatality, damage \$500,000-\$1 million, major spill or release with minor offsite impact
5. Extreme	Multiple fatalities, damage < \$1 million, major spill or release with major offsite impact

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

To determine the risk, choose the Likelihood and the Consequence:

Likelihood	Consequence				
	1. Noticeable	2. Important	3. Serious	4. Very Serious	5. Extreme
A. Almost certain	High	High	Extreme	Extreme	Extreme
B. Likely	Moderate	High	High	Extreme	Extreme
C. Moderate	Low	Moderate	High	Extreme	Extreme
D. Unlikely	Low	Low	Moderate	High	Extreme
E. Rare	Low	Low	Moderate	High	High

Your assessment **Before controls** Likelihood _____ Consequence _____ = Risk Score _____

After controls Likelihood _____ Consequence _____ = Risk Score _____

10. JOB SAFETY AND ENVIRONMENTAL ANALYSIS (JSEA) WORKSHEET.

D. Approvals

Using Controls	Management Control	To be signed by	Name of person	Signature	Date
G Extreme Risk	Immediate action, activity discontinued until risk is minimised	Manager/ Safety and Training Co-ordinator			
G High Risk	Immediate action, activity discontinued until risk is minimised	Manager/ Safety and Training Co-ordinator			
G Moderate Risk	Risk addressed as part of risk control program	Site Manager			
G Low Risk	Risk identified to employees	Supervisor			

11. PARTS.

FOR PARTS PLEASE CONTACT WALSH & FORD WITH UNIT'S SERIAL
NUMBER.

12. OWNER CONFIRMATION.

I, _____ ACKNOWLEDGE BY
PURCHASE OF THIS **WALSH & FORD** UNIT, THAT I HAVE AND
WILL ACCEPT INSTRUCTIONS OF ITS INTENDED USE AND
WILL ALSO TRAIN AND INDUCT EMPLOYEES AND
SUBCONTRACTORS IN THE MACHINE USE.

SIGNED _____

DATE _____

SERIAL NUMBER OF UNIT

*PLEASE SEND BACK DUPLICATE COPY TO **WALSH & FORD** IN
SUPPLIED ENVELOPE.*