

Curriculum Vitae for Richard Stankey

B.Sc. Hons. Dip.Ed. M.Sc.

Vision Statement:

My work commitments form a major part of my life; as such, I like to do things I enjoy. I receive great personal satisfaction from the use of my Scientific Education to solve problems in innovative, safe and cost effective ways. To continuously stimulate my brain, I need a variety of challenges to find solutions for. Many of my solutions require research, consultation and are often from outside of the square. As the record below shows, I am not averse to acquiring new skills and qualifications in order to implement my solutions.

List of Qualifications

2015 GDT Plant Operator and Permit Authority
2014 Excavator and front end loader license, CSE Rescue Operator Certificate
2013 Confined Space Entry, BOSIET, International Truck Drivers License
2012 Working safely at Heights, Parasol Cert II Emergency Medical Service First Response
2011 MSIC – Marine Security Identification Card
2010 HR (Heavy Ridged) Truck Drivers License, Dangerous Goods License
2009 LF Forklift License, Construction White Card
2007 ICA30105 Certificate III in Information Technology (Applications)
2002 8388 Certificate IV in Assessment and Workplace Training (TAFE-NSW)
2000 Firearms license
1998 NSW LR (Light Ridged) Bus and Truck License
1994 Boat License
1993 Teacher's Certificate – internationally recognised
1992 ALVRI – Australian Light Vertical Rescue Instructors course completed.
1991 Master of Science (Physical Chemistry) University of New England (UNE)
1988 Bachelor of Science Honours – Organic Chemistry UNE
1987 Bachelor Science and Diploma of Education UNE
1983 NSW HSC and Gold driver's license

I have successfully completed all required, safety and receive work permit, inductions for the following worksites:

2015 GDT, Warren site, Permit Authority and Isolation Supervisor
2014 AGL Surat Basin, SANTOS Roma, Orica Mackay, QGC Bellevue and Argyle
2013 Woodside Ngujima Yin, North Rankin A, QGC Kenya, Windibri and Ruby Joe
2012 Orica Mackay, Caltex Lytton, Orica Yarraville, Mobil Yarraville, SANTOS Moonie
2011 Forgacs Crystal Ocean, Woodside Karratha Gas Plant (visitor only), Nyrstar Hobart
2010 SANTOS Moonba, RTA Gove, Caltex Kurnell, BHP Minerva Gas Plant
2009 BP Bulwer, Caltex Lytton, Forgacs Crystal Ocean, Mobil Altona

Green Distillation Technologies (GDT) Construction Site Manager 2015 - current

5 km East of Warren on the Oxley highway; GDT is building a world first plant, which processes End Of Life tyres to produce Oil, steel and carbon. As the site manager I:

- ✓ Liaise between the Engineers and the Chiefs in the Melbourne office, the inventor, contractors and the work crew on the ground.
- ✓ Directly supervise a crew of 12 tradesmen, TAs and an electrical engineer, as well as specialist contractors.
- ✓ Run daily toolbox meetings; prepare incident investigation reports, board reports, weekly reports and MS Project updates.
- ✓ Take personal responsibility for the implementation of safe work practices, often engaging workers in discussions to determine safer more efficient ways of doing things.
- ✓ Am the permit authority for this site and conduct all site induction training.
- ✓ Carry out all testing and commissioning work.

Projects completed with Contract Resources in random order 2009 - 2014

As a project Manager, I scoped a project, costed it, wrote all needed documents (Quotation, WMS, JSEA), attended hazard Identification meetings, client liaison, project execution, Invoice preparation, final report preparation. I develop an individual plan for each unit or component of a plant which is to be decontaminated, cleaned or pressure tested and then prepared a full work method statement for each unit with technical drawings, hold points and sign offs, based on site visits and P&IDs.

Over the 6 years with CR I Managed the following projects:

- ✓ Nitrogen purging, pressure and leak testing of gas plants at up to 105 Bar to certify them ready for normal operations and leak free over a 12 month period. Some of the leak tests involved the use of helium gas and special detection equipment.
- ✓ For 3 months, Managed hydro testing of new pipework at up to 365 bar to certify that none of the welds leaked. Developed the work method statements and JSEA's required, held the permits and trained others how to do this work safely.
- ✓ Chemically cleaned and dried pipework after hydro testing to preserve it from oxidation. My team also used compressed air to purge dust and other contaminants from pipes we had cleaned and dried.
- ✓ Quoted, developed a procedure, prepared all required documents for a project which used an excavator and front end loader to neutralize sulphuric acid sludge with lime before removing all wastes from an acid tank being decommissioned.
- ✓ A full shut down / turn around of the AGL Wallumbilla gas plant, including chemical cleaning of the process vessels, bundle pulling, catalyst change out, CSE permit holder and rescue operator, Nitrogen flushing and pressure testing of the plant before star up.
- ✓ Flushed all oxygen out of new pipes and left a 2 bar nitrogen blanket in them to prevent oxidation from occurring in the raw gas inlet manifolds at SANTOS O2 Hub.
- ✓ Chemically decontaminated the production vessels including the glycol contactor, high and low pressure separators and the hazardous waste drain knock out drum on Woodside's, Ngujima Yin, FPSO.
- ✓ Managed a full shutdown of the BHP Minerva Gas plant at Port Campbell in Victoria. Decontaminated the entire process, starting with the slug catcher, inlet separator, Low Temperature separator, Medium Pressure separator, condensate stabilizer, MEG (glycol system) Regeneration, closed drain, hot oil thermal oxidizer as well as the HP and LP flare knock out drums. I managed a crew of 16; the project went for 3 weeks and also included bundle pulling, painting, boiler (steam) operations, water blasting and vacuum trucking.
- ✓ Used soy ester to develop a new, innovative and cost effective way to clean fouling on the inside of fin fan cooling units, resulting from the partial break down of the cooling oil used under extreme heat conditions.
- ✓ Chemical pigging of a ship to shore heavy fuel oil line at Mobil Yarraville, in preparation for its demolition.

- ✓ Chemical cleaned and decontamination of Sulphuric acid tanks for Orica in Melbourne and Delta Energy's Wallerawang power station in Lithgow.
- ✓ Managed the cleaning of fin fans at Caltex Lytton and Origin Talinga gas plant with a product called Decamex, which is "grit blasted" onto the fans to physically clean them. Also used a product called Neutramex to clean the internal fins on 2 furnaces, which are part steam generation system at Caltex Lytton.
- ✓ Used Zymeflow to decontaminate the carbon dioxide scrubber on Train 4 at SANTOS Moonba, in 50 plus degree heat.
- ✓ Night shift supervisor for the decontamination of the glycol contactor in train 200 on the North Rankin A platform
- ✓ Acid washing plate heat exchangers and Jacketed pipe units (JPU) at the RTA Gove Aluminium Bauxite refinery for 18 months designed and built a unique acid handling system. This unit was housed in a 20-foot container, and was made up of 2 x 6000L fiberglass tanks; a diesel powered fiberglass pump, flow and pressure gauges, NRV and strainer as well as 23 control valves. The unit had the flexibility to reverse flow acid through the client's heat exchanger, as well as draw from either or both tanks, pump into either or both tanks and transfer between the tanks. I wrote the manual for this unit and instructed and assessed every operator trained to safely and efficiently operate our acid Skid. I also received instruction and permission to operate certain valves and scale traps around the client plant.
- ✓ Managed the full shutdown and decontamination of the Crystal Ocean, FPSO, while it was alongside at Forgacs in Brisbane utilizing a crew of 14 technicians in a time frame of about 10 days. The work included chemical decontamination of all process vessels onboard, as well as a thorough cleanout of all the tanks on the vessel using HPW blasting, Vacuum units and Air Operated Diaphragm pumps.
- ✓ I was the night shift supervisor for the Zymeflow decontamination of the Lube plant at the Caltex Kurnell refinery, this was the final decontamination of this plant before demolition, and so a perfect job was required.
- ✓ Chemically decontaminated a sodium hydroxide tank (215) at the BP Bulwer refinery in Brisbane, this tank is part of the H₂S scrubbing system used in the refinery.
- ✓ Chemically cleaned 3 tanks (10, 13, 18) at Caltex Kurnell, two of these were treated with Potassium Permanganate to oxidize Mercaptans and other sulfur compounds.
- ✓ Managed the decontamination of candle filters at the Nyrstar plant in Hobart. This project involved the design and construction of an elaborate circulation system, which processed both caustic soda solution (30,000L) and Nitrous oxide gas liberated by the neutralization of sulphuric acid contaminated by nitric acid.
- ✓ Managed the cleaning of 2 crude oil tanks at the SANTOS Moonie site, one was cleaned conventionally over a 3 week period with my crew of 7 entering the tank under CSE permits, physically de-mucking the tank. The second was chemically treated reducing the CSE work to just 2 days, this proved the merits of a new product on the market known as K15 supplied by ULI. It also reduced the waste produced as all crude oil was recovered and sold to Caltex Kurnell for normal processing.

- ✓ Inspected the water cooling system of the Karratha gas plant and developed a procedure to clean it. A costing and full quotation was also prepared and awaits a budget allocation so that the work can be carried out.
- ✓ Inspected the water cooling system of the Darwin Biodiesel plant owned by Territory Biofuels and devised a cleaning procedure and quotation to remove all rust and scale from this plant, ready for normal production.
- ✓ Zymeflow decontaminated the sour gas stripper at the Mobil Altona refinery.
- ✓ Assisted with the chemical decontamination with oxidizing agents of the Texas tower (large shell and tube heat exchanger) at the Caltex Lytton plant.
- ✓ Chemically cleaned a nitrogen line in the HF unit at Caltex Lytton.
- ✓ Participated in an acid pickle and passivation of the Hydrogen compressor at BP Bulwer.
- ✓ I have also studied the P&IDs for a significant number of plants still to be constructed or currently under construction, including the Impex gas plant in Darwin in order to determine how to best complete a pre-commissioning acid wash at the lowest possible cost without compromising safety.
- ✓ There probably are as many projects again that I looked into and developed plans for but those contracts were ultimately not awarded to us.

Teaching / Training Experience all in NSW (17 years)

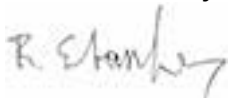
Deputy Principal in Walgett and Narromine High Schools 5 years 2005 – 2009
 Head Teacher Administration Dubbo College South Campus 2004
 Head Teacher Science Dubbo College South Campus 4 years 2000 – 2003
 Head Teacher Math/Science Lake Cargelligo 2 years 1998 – 1999
 Computer Consultant Orange District 2 years 1996 – 1997
 Science Teacher Narrandera High School 4 years 1992 – 1995

I realize the importance of being well prepared and knowledgeable when delivering training packages to large groups, I have the confidence to calmly stand before a large audience and deliver information and demonstrations to them in a way that maintains their interest and concentration span.

My primary focus with Contract Resources was Chemical Cleaning, however, anything considered to dangerous to be done safely by others was assigned to me, as my team has always had a perfect safety record, we do it safely or not at all!

I have developed Nitrogen and hydro pressure testing procedures and equipment, in the process I acquired equipment, developed safe Work Method Statements and developed quality relationships with clients. I like to be involved in a variety of projects, to keep the mind stimulated, as such it also makes me flexible to work on projects where ever and what ever is needed at the time.

Yours Sincerely,



Richard Stankey 12/4/2016
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