

NWR Sturgeon Refinery

2017 – COAA BP Conference Recent Project Experience: Implementing ICCS at Sturgeon Refinery



Welcome & Workshop Introduction Niaz Ahmed – Workforce Development Co-Chair



Special Thanks to Invited Guests

Tammy Hawkins - ACSA Brent Melnyk – GOA Jason Morphy – AIT Paul Uchacz - AIT



Workshop Objectives

- Understanding Program Objectives & Mechanics
- Involvement and Coordination of Training Providers
- Perspective of Training Providers
- Perspective of AIT
- Return on Investment



Program Objectives

- Leverage existing training programs funded through various training trusts
- Based on 20M man hours project will invest approx \$8M in training trusts
- Facilitate delivery of high quality/high value training
- Mitigate project risk



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NWR Risk Matrix (5x5) Pyxis

NWR Risk Matrix

Consequence							Likelihood				
People	Cost	Schedule	Reliability		Public Image		1 Extremely remote chance of happening <0.0001 yr	2 Remote chance of happening 1/10,000yr	3 May happen less than once during the project lifetime 1/1,000yr	4 Expected to occur in the project lifetime 1/100yr	5 Expected to occur several times in the project lifetime 1/10yr
Multiple fatalities	> \$100M		outage Replacement of major	Incident results in revocation of permit to operate and/or serious judicial action	International attention	5					
Single Fatality or permanent disability	\$10 M to \$100M		Partial loss of plant with major repairs.		National attention	4					
Temporary disability or lost time Incident	\$1M to \$10M		2 week unit outage or 1-3 day site outage Immediate repairs required.		Industry-Wide attention	3					
Medical aid injury	\$100K to \$1M				Province-wide attention	2					
First aid injury or no impact	up to \$100K			compliance reporting	community	1					

Risk Level		Mitigation Level					
		Mitigating action must be taken to at least reduce to a moderate level and reported monthly					
	Medium-High	Mitigating action must be taken to at least reduce to a moderate level					
	Medium	Mitigating action should be considered					
	Low	Mitigating action is normally not required; Part of Continuous Improvement initiatives					

NWR Risk Management Program – October 2014

7



En 13 Shortage of competer supervision		eld Demand exceeds supply of competent field supervision	Hroza, Karl	Threat	Schedule	3.3	Yorke, Mike	Contracting strategy, Contracting strategy supports access to broadest cross section of contractors and labour providers. Labour Management Plan will require contractors to ensure supply of qualified personnel and strategy to mitigate skill gaps. The project will rely heavily on industry supported programs. Review of EDS gate deliverables revealed that all EPC's are aware and building contingency plans regarding training and qualification of supervisors.	14-Feb-14	Completed
							Yorke, Mike	Industry training and support programs. Ensure contractors utilize all available industry training and support programs through ICCS. ICCS will be a condition on the project. (Industrial Certified Construction Supervisor). Worker training programs will be through the building trades and CLAC. We will need to ensure that NWR will have access to the funds that we are contributing through CLAC etc. 1st BSV course on site complete in June.		Completed
							Yorke, Mike	Partner with industry training to facilitate onsite programs: Develop partnerships with ACSA. Merit, CLAC, BTA and CLR to facilitate onsite training programs to support ICCS and supervisory mentoring programs. A great site plan initiative. The budget has been approved, Training schedule to be implemented at the end of Q1.	1-Apr-15	Completed
							Yorke, Mike	Great site plan (CLAC +BTU) The Great Site Plan will help to optimize resource attainment, including supervision.	15-Dec-14	Completed
							Yorke, Mike	Peak summer 2018 Finalize mitigation + timing based on site construction (Peak to be determined). Provide updated labour survey with updated market conditions. 13-Jul- 15. Contractor/Union/Owner group formed to bring forward recommendations regarding mitigation strategies. Labour survey being updated with 2016 shutdown info. Shutdown schedule is complete.		Completed
							Yorke, Mike	(Ongoing)Competency checks underway with supervision in conjunction with BTU building trades. Follow-up with the contractors needs to be done.	30-May-16	Completed
							Yorke, Mke	Nightshift Supervision: Check nightshift supervision to ensure supervision is not holding up the staffing up of night work shifts	28-Feb-17	Completed



Program Objectives

- Offer training on project hours aligned with bussing strategy
- Minimize impact to length of day
- Mandate that online portions of training must be completed prior to classroom instruction



COORDINATION

- Better SuperVision CLRA & BTA
- Leadership for Safety Excellence ACSA
- ICCS Exam Apprenticeship & Industry Training







Participation

BSV	233
LSE	341
ICCS	204

ICCS Success Rate

204 Written 180 Pass

88% Pass Rate



Keys To Success

- Classroom time during project participants able to take project bussing
- Constant Communication
- Individual contact and mentoring
- Additional supports as required
- DEDICATED RESOURCE TO COORDINATE AND
 SHEPPARD INDIVIDUALS THROUGH THE PROCESS





Better SuperVision Starts September 28!

BUILD YOUR FUTURE

INCLUSTION. GORSTRUCTION BSV CREW INFERMISOR 00031 CONTRACTION.

Contact Grant Site or your Supervisor for more information about the next eventable section.

Better Su

Starts Aug

BSV

NWR

https://www.inflormanersinian.org/mainter

and the Training Store (a that this of Sector to be be completed by employee

NWR will be hosting the followi Certification program on site **Building Trade Members du** regular work hours.

Better SuperVision:

+3-day program (Wed Sept 28, Fri Sept 30, and Wed Oct 5)

Pre-requisites:

- Approval from your employer & unior BSV Registration* on line :
- Registration Fee provider when downwood
- Online 8SV portion (16 hours) to be ro prior to class

Questions: Training@nwrpartnership.com *Registration is to be completed by employee.



WHY YOU WANT IT



HOW TO GET IT



NWR is now hosting the ICCS Certification exam through AIT on the Sturgeon Refinery Project. Contact your supervisor or Training@rwrpartnership.com for more information.



"Apply yie time as Label and share every Arell that you would like to arrise the example." use NME with contributer with AT on your balant and practice storight the new qualitie nam date



ACSA Perspective

Tammy Hawkins - COO



AIT Perspective

Brent Melnyk Manager – Industry Programs and Standards Government of Alberta



AIT Perspective

- The 2015-2017 NWR/ICCS pilot project saw 204 individuals apply and write the ICCS certification exam on site, resulting in 180 individuals receiving their certification.
- In that same time period Alberta certified 608 across the entire province. The NWR/ICCS pilot project is responsible for 30% of the ICCS certifications issued, furthermore proving the overwhelming support of the pilot project.
 - From its inception in 2008, there have been 1240 ICCS certificates issued (the NWR/ICCS pilot project equals 14.5% of all certificates issued)



AIT Perspective

- This partnership between NWR and AIT was made possible by the commitment by NWR and its contractors to ensure supervisory staff were properly trained.
- AIT client services required a minimum class size of 20 individuals writing for an exam sitting as well as verification that all application requirements were met.
 - Future partnerships or pilot projects may be possible but will be determined on a case by case basis for the ICCS program as there are several factors that need to be considered.



Return on Investment SUPERVISOR TURNOVER – QUITS & TERM FOR CAUSE

	Total GF/FM Hired	Total Dissmissed	Total Quit	Turnover
Contractor 1				8.47%
Contractor 2				5.15%
Contractor 3				0.00%
Contractor 4				10.84%
	1070	60	81	7.57%



Return on Investment

TURNOVER FOR ICCS GRADS

0%



Return on Investment SAFETY PERFORMANCE – Cultural Impact

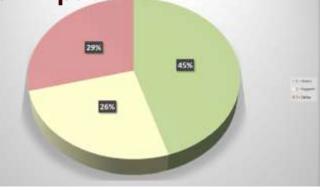
	Participation % of training utilized	TRIF
Contractor 1	18.02%	0.32
Contractor 2	42.57%	0.21
Contractor 3	9.11%	0.54
Contractor 4	3.56%	1.02



Return on Investment TIME ON TOOLS PERFORMANCE – Cultural Impact

Contractor 1 Contractor 2 Contractor 3 Contractor 4 Participation % of training utilized 18.02% 42.57% 9.11% 3.56%

DA Direct Activity 43% 45% 44% 40%





Return on Investment

Organizations that embrace training & development Improved Safety, Time on Tools, Turnover