Notice of Change to Controlled Documents #331-335/ 31 Jan 2017

Summary of Changes

Revisions managed by: Shannon Smith

Purpose: **[331-333]** All SOPs specific to GX and references to the vessel removed due to sold the vessel **[334-5]** These changes implemented in order to meet ISN NETworld requirements.

NOC#	Ch., Sec., SOP	Summary	Revision#
331	SOP-GEO-007N-007R & SOP-GEO-2016B	SOPs specific to the GeoExplorer. Deleted. Vessel has been sold, no longer in the fleet.	--
332	All Permits	GX removed from permits- space for other vessel name added (3rd party)	**JAN2017**
333	SOP-GEN-007G	GX removed from confined spaces register	**15**
334	SOP-GEN-007U Sec 6	Specific ladder safety guidelines added	**12**
335	Ch 14 Sec 9.0	New section for training added. Describes various ways our employees are trained to recognize risk and maintain PPE.	**19**

Date Completed		Date Completed	
2-1-17 SS	SMM TOC page updated		NOC pdf posted on CM
2-1-17 SS	NOC web page updated		Vessel acks recorded
2-1-17 SS	SMM- each section updated		Office controlled SMM updated
	NOC sent to fleet		

Approvals	Approvals
Approved for Distribution Date 1/31/17 Initials Print Name James Howell	Approved for Distribution Date 2/1/17 Initials Print Name Pete Tarro

Approvals	Approvals
Approved for Distribution Date 2/1/17 Initials Print Name J. Brooks	

NOC # 331
All GeoExplorer specific SOPs deleted

Revision #	Section(s)
Revision ALL	SOP-GEO-007N SOP-GEO-007O SOP-GEO-007P SOP-GEO-007Q SOP-GEO-007R SOP-GEO-2016B

NOC # 332
All Permits & Non-permit work JSA

Revision #	Section(s)
Revision JAN2017	See attached documents: Confined Space Working at Heights Energy Isolation Hot Work Non-permit work JSA

NOC # 333
SOP-GEN-007G Confined Space Entry

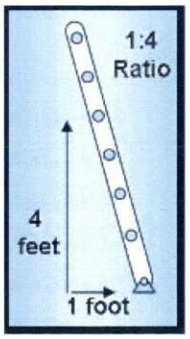
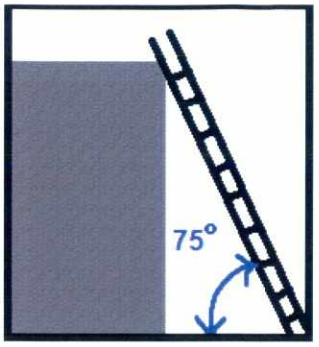
Revision #	Section(s)
Revision #15	**4.0 Confined and Enclosed Spaces Register** **4.1 Confined and Enclosed Spaces** A Hazard Analysis was conducted to evaluate the spaces of all vessels in the fleet to identify all confined and enclosed spaces on each vessel, … … [Table deleted]

~~R/V GeoExplorer~~		
~~*SPACE*~~	~~*CATEGORY 1*~~	~~*REQUIREMENT FOR ENTRY*~~
~~Forepeak ballast tank~~	~~1~~	~~*SOP-GEN-007G sec. 5.2.1*~~
~~Aft peak ballast tank~~	~~1~~	~~*SOP-GEN-007G sec. 5.2.1*~~
~~#2 port and starboard ballast~~	~~1~~	~~*SOP-GEN-007G sec. 5.2.1*~~

	~~tanks~~		
	~~#3 port and starboard ballast tanks~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~#1 port and starboard fuel oil tanks~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~#2 port and starboard fuel oil tanks~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~#3 port and starboard fuel oil tanks~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~#4 port and starboard fuel oil tanks~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Lube oil tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Hydraulic oil tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Dirty oil tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Oily water tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Drill water tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Potable water tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Day tank~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~Eng Room Smoke Filled or CO2 discharged~~	~~1~~	~~SOP-GEN-007G sec. 5.2.1~~
	~~**SPACE**~~	~~**CATEGORY 2**~~	~~**REQUIREMENT FOR ENTRY**~~
	~~Chain locker~~	~~2~~	~~SOP-GEN-007G sec. 5.2.2~~
	~~Rope locker~~	~~2~~	~~SOP-GEN-007G sec. 5.2.2~~
	~~**SPACE**~~	~~**CATEGORY 3**~~	~~**REQUIREMENT FOR ENTRY**~~
	~~Steering compartment~~	~~3~~	~~SOP-GEN-007G sec. 5.2.3~~
	~~Bilge below deckplates~~	~~3~~	~~SOP-GEN-007G sec. 5.2.3~~
	~~Bowthruster room~~	~~3~~	~~SOP-GEN-007G sec. 5.2.3~~

NOC # 334
SOP-GEN-007U Working at Heights

Revision #	Section(s)
Revision #12	6.0 Ladders All ladders should be inspected periodically and before use. Ladders should be in good condition with no loose or broken rungs, steps or other parts. If a ladder is found to be defective, it should be discarded and replaced. Ladders will meet both OSHA/ ANSI specifications. Specifically that ladder rungs, cleats and steps shall be parallel, level and uniformly spaced when the ladder is in position for use.

	Ladders shall only be used for the purposes for which they are designed and shall not be loaded with any load beyond the manufacturer's rated capacity. They shall not be used horizontally as bridging/ scaffolding or used on top of boxes or crates. Extension ladders placed against a wall or other support shall be placed such that the distance from the legs of the ladder to the support should be ¼ of the distance from the top of the ladder to the foot of the ladder.  Figure 6a A properly placed ladder on a level surface will be at about a 75 degree angle from that surface.  Figure 6b The upper supports of ladders used to access elevated work areas must extend a minimum of 3 feet above the elevated surface or have the top secured to a rigid support. This is to provide a secure step or handhold for the worker to step from the ladder to the working surface and prevent the ladder from moving out of position under the worker. When using ladders, workers should follow safe working practices, such as not standing on the top two rungs of the ladder, facing the ladder when ascending and descending and not carrying objects that could cause injury in the event of a fall. Finally, the use of portable ladders should be avoided when the vessel is at sea and prohibited during high seas or unfavorable weather conditions.

NOC # 335
Ch 14 Risk Assessment and Hazard Mitigation

Revision #	Section(s)
Revision #19	9.0 Training The goal of all TDI safety training is to get employees to recognize hazards around them and mitigate risks. Employees are trained in hazard identification through multiple sources, including our computer based training programs, safety videos, in person training, and weekly HSE talks. This training includes the proper use and care of PPE.