ECONOMIC ACTIVITY ON THE ARCTIC SHELF OF RUSSIA AND POSSIBLE THREATS FOR ECOLOGICAL EQUILIBRIUM

Kinds of activity				Possible ecological damage and its reasons											
			sea transport operations					t	specific activities for development of hydrocarbon resources						
			(1)	pollution from vessels (MARPOL/NSRA)					emergency oil spills	emissions in the atmosphere of polluting substances and black carbon*	additional damage to a biodiversit				
	Seismoprospecting works											feat of bodies and brics			
s fields	Engineering-geological researches on the drilling sites				٦										
Exploration, appraisal and development of oil and gas	Drilling				forr				emergency spouting (fountain)		technological waste of drilling	drilling slime			
				K	kaged							used drilling technological liquids			
				in bulk	pac			air pollution from ships				boring sewage			
		Construction of field	pollution by oil	nces ir	carried by sea in packaged form	ships	ships		(0			dredging and soil dumping	change of a hydrological mode		ß
		infrastructure		substances	ed by	from :	from				migrato	ry barriers	hing	facto	
		Oil production		s liquid s	ses carrie	sev	pollution by garbage from		emergency spouting (fountain)	burning of associated oil gas	dumping of r	eservoir waters	poaching	concern factors	
	Oil storage		llod	pollution by noxious liquid	by harmful substances	pollution by	ution by	air pollu	damage of capacities of storages						
	Oil transportation			ution by	armful :	llod	llod		loading and unloading operations		· · · · · · · · · · · · · · · · · · ·	of ballast waters with alien organisms			
	Oil transportation			polli	y h				collisions						
									grounding						
	Liquidating works				pollution				damage of capacities of storages		remains o	f installations			
Freight transportation, including transit across the Northern Sea Route															

Compiled by JSC Gecon with participation of WWF, Greenpeace, Akvaplan-niva, Administration of the Northern Sea Route, ABS (The American Bureau of Shipping), Sovcomflot Analytical center

^{*} Without fires of the upper elements of platforms and vessels