

MATERIAL TOPIC - WASTE	2019		2020		2021		2022		2023		CONTEXT	GRI/SASB				
Annual Production - Annual Report figure, financial control: boe		36,630,232		34,839,540		31,173,190		31,093,255		30,657,810						
Annual Production - Annual Report minus non-operated volumes (CDE): boe		36,604,811		34,723,518		31,154,575		31,058,580		30,634,815						
Annual Production - Operated facility throughput including third-party volumes: boe		44,708,966		42,202,207		36,865,352		35,634,107		32,961,096	Use for intensity calculations to ensure numerator/denominator alignment					
Netherlands	56	0	56	5	0	5	49	0	49	40	0	40	99	0	99	
Australia	87	383	470	158	92	250	450	33	483	230	37	267	134	62	196	
United States	0	17	17	0	8	8	0	13	13	0	22	22	0	12	12	
Germany	0	1,980	1,980	0	0	0	0	311	311	260	0	260	105	10	115	
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
On-site storage: metric tonne	334	1,405	1,739	1,587	1,341	2,928	1,989	6,659	8,648	3,382	3,260	6,642	25	0	25	306-5
Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Netherlands	334	0	334	1,549	0	1,549	1,974	0	1,974	3,378	0	3,378	0	0	0	
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
United States	0	1,192	1,192	0	1,341	1,341	0	6,614	6,614	0	3,235	3,235	0	0	0	
Germany	0	213	213	13	0	13	15	20	35	5	0	5	0	0	0	
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ireland	0	0	0	25	0	25	0	25	25	0	25	25	25	0	25	NORM waste
Other – Oilfield Waste Processing: metric tonne	6,105	188	6,293	6,050	449	6,499	1,208	2,698	3,905	1,913	31,298	33,211	2,027	28,161	30,188	306-2
Canada	6,105	188	6,293	6,050	192	6,242	1,208	2,698	3,905	1,913	15,836	17,749	2,027	17,538	19,565	
France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Netherlands	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
United States	0	0	0	0	257	257	0	0	0	0	3,536	3,536	0	0	0	
Germany	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	11,926	11,926	0	10,624	10,624	
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Weight of hazardous waste shipped internationally: metric tonne	206		206	270	0	270	147	0	147	57	0	57	173	0	173	306-5
Canada	0		0			0			0						0	
France	0		0			0			0						0	
Netherlands	0		0			0			0						0	
Australia	0		0			0			0						0	
United States	0		0			0			0						0	
Germany	0		0			0			0						0	
Central and Eastern Europe - Hungary and Croatia	0		0			0			0						0	
Ireland	206		206	270		270	147		147	57		57	173		173	
DRILL MUD AND CUTTINGS	2019		2020		2021		2022		2023			GRI 11				
Drill mud & cuttings produced using non-aqueous drilling fluid, onshore disposal to controlled sites: tonne		14,710		17,184		12,549		11,694		14,012						
Canada		9,311		17,184		11,881		10,622		11,273						
France		854		0		0		0		0		No drilling activities in FBU				
Netherlands		885		0		668		905		2,274						
Australia		0		0		0		0		0						
United States		0		0		0		0		0						
Germany		0		0		0		168		465						
Central and Eastern Europe - Hungary and Croatia		3,660		0		0		0		0						
Ireland		0		0		0		0		0		No drilling activities in IBU				
Non-Aqueous drilling fluid re-used at another location (i.e. recovered and transported invert): m3		0		0		0		1,944		0						
United States		0		0		0		1,944		0						
Drill mud & cuttings produced using aqueous drilling fluid, onshore disposal to controlled sites: tonne		12,391		5,872		11,016		12,745		12,222						
Canada		5,689		5,088		6,890		5,777		8,604						
France		2,527		0		0		0		0						
Netherlands		250		43		1,167		585		1,269						
Australia		0		0		0		0		0						
United States		0		0		289		0		0						
Germany		3,925		0		289		1,251		2,297						
Central and Eastern Europe - Hungary and Croatia		0		742		2,671		5,132		52						
Ireland		0		0		0		0		0						
Drill mud & cuttings produced using aqueous drilling fluid, disposal at Vermilion controlled location: tonne		16,110		17,389		20,398		17,856		4,742						

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Canada		14,918		16,048		12,830		11,756		3,642		
France		0		0		0		0		0		
Netherlands		0		0		0		0		0		
Australia		0		0		0		2,865		0		
United States		1,192		1,341		7,568		3,235		1,100		
Germany		0		0		0		0		0		
Central and Eastern Europe - Hungary and Croatia		0		0		0		0		0		
Ireland		0		0		0		0		0		
Verification / Certification												S&P Global
Sites where waste data is third-party verified												
Canada				Yes		Yes		Yes		Yes		
France				Yes		Yes		Yes		Yes		
Netherlands				Yes		Yes		Yes		Yes		
Germany				Yes		No		Yes		Yes		
Ireland				No		Yes		Yes		Yes		
Sites where waste management is ISO 14001 certified												
Canada				Yes		Yes		Yes		Yes	Waste contractor is ISO14001 certified	
Australia				Yes		Yes		Yes		Yes	Waste contractor is ISO14001 certified	
Germany				Yes		Yes		Yes		Yes	Waste contractor is ISO14001 certified	
Ireland				Yes		Yes		Yes		Yes	Waste contractor is ISO14001 certified	
Sites where hazardous waste management is HAZWOPER certified												
Ireland				Yes		Yes		Yes		Yes		