

MATERIAL TOPIC - WASTE	2020			2021			2022			2023			2024			CONTEXT	SASB
Annual Production - Annual Report figure, financial control: boe		34,839,540			31,173,190			31,093,255		30,657,810		30,858,195					
Annual Production - Operated facility throughput including third-party volumes: boe		42,202,207			36,865,352			35,634,107		32,961,096		32,072,704			Use for intensity calculations to ensure numerator/denominator alignment		
WASTE	2020			2021			2022			2023			2024			Waste disposal data based on direct confirmation or information provided by the waste disposal contractor	
	Hazardous	Non-Hazardous	Total	Hazardous	Non-Hazardous	Total	Hazardous	Non-Hazardous	Total	Hazardous	Non-Hazardous	Total	Hazardous	Non-Hazardous	Total		
Waste by type and disposal method - Total: metric tonne	19,973	74,107	94,079	16,224	138,050	154,273	20,948	121,207	142,155	30,057	198,564	228,621	48,315	192,571	240,886	Waste varies annually depending on drilling programs in each business unit	
Canada	8,927	57,550	66,477	11,081	98,163	109,245	3,087	79,848	82,935	8,467	176,148	184,615	14,022	171,854	185,876		
France	619	1,754	2,372	319	224	543	517	1,145	1,662	395	759	1,154	463	1,094	1,557		
Netherlands	9,693	0	9,693	4,179	98	4,277	12,652	177	12,829	19,138	345	19,483	23,673	312	23,985		
Australia	163	156	319	453	123	576	234	83	316	134	150	283	315	143	458		
United States	0	14,539	14,539	0	38,895	38,895	0	26,577	26,577	0	7,526	7,526	0	664	664		
Germany	296	18	315	110	373	483	4,406	81	4,487	1,814	33	1,847	9,792	13,538	23,330		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	11,926	11,926	0	10,624	10,624	9	4,652	4,661		
Ireland	274	91	365	81	174	255	53	1,370	1,423	109	2,981	3,090	41	315	356		
Reuse: metric tonne	0	4	4	0	14	14	0	22	22	0	83	83	0	60	60		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Australia	0	4	4	0	4	4	0	4	4	0	83	83	0	60	60	Timber, metal	
United States	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Germany	0	0	0	0	10	10	0	18	18	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0		
Recycling: metric tonne	1,617	1,882	3,498	1,444	437	1,881	2,458	2,626	5,084	4,406	3,902	8,308	4,936	1,637	6,573		
Canada	0	45	45	9	4	13	15	0	15	4	39	43	1	24	25		
France	223	1,727	1,950	16	209	225	65	1,084	1,150	0	679	679	26	959	985		
Netherlands	1,357	0	1,357	1,414	78	1,491	2,372	154	2,526	4,401	237	4,638	4,770	310	5,081		
Australia	5	60	65	3	85	88	4	41	45	0	4	4	0	0	0		
United States	0	0	0	0	5	5	0	22	22	0	0	0	0	0	0		
Germany	0	0	0	0	18	18	0	21	21	0	23	23	136	76	212		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ireland	32	49	81	2	39	42	2	1,304	1,306	1	2,920	2,921	3	268	270		
Recovery, including energy recovery: metric tonne	47	14	61	194	19	213	367	10	376	430	56	486	190	1	190		
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	2	0	2	194	9	203	106	10	116	245	56	301	75	1	75		
Australia	0	0	0	0	0	0	0	0	0	0	0	0	115	0	115		
United States	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Germany	45	14	59	0	10	10	260	0	260	185	0	185	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	0	0	0	0	0	0	0	0	0	0	0	0		
Incineration: metric tonne	850	64	914	1,005	141	1,146	873	158	1,031	1,236	192	1,428	1,887	241	2,128		
Canada	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
France	388	18	406	303	15	318	451	61	512	395	80	475	437	135	572		
Netherlands	7	0	7	528	12	540	305	14	319	758	51	809	543	1	543		
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
United States	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Germany	238	4	242	95	5	100	66	42	108	0	0	0	875	57	932		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	9	1	10		
Ireland	217	42	259	79	110	189	51	41	92	83	61	144	23	48	71		
Deep well injection: metric tonne	9,446	41,496	50,942	9,345	93,832	103,177	11,151	68,320	79,471	21,549	162,209	183,757	36,745	149,020	185,765		
Canada	2,672	28,563	31,235	9,325	61,569	70,894	885	48,557	49,442	6,389	154,695	161,084	10,579	137,923	148,502	2022-2023 increase due to disposal of frac fluid in Mica	
France	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Netherlands	6,774	0	6,774	21	0	21	6,451	0	6,451	13,636	0	13,636	18,285	0	18,285		
Australia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
United States	0	12,933	12,933	0	32,263	32,263	0	19,763	19,763	0	7,514	7,514	0	599	599		
Germany	0	0	0	0	0	0	3,815	0	3,815	1,524	0	1,524	7,881	10,498	18,379		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

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Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Landfill: metric tonne	376	28,857	29,233	1,039	34,249	35,289	804	15,514	16,318	385	3,961	4,345	346	4,478	4,824		
Canada	205	28,750	28,955	540	33,892	34,432	274	15,455	15,729	47	3,876	3,923	145	4,315	4,460		
France	8	8	16	0	0	0	0	0	0	0	0	0	0	0	0		
Netherlands	5	0	5	49	0	49	40	0	40	99	0	99	1	0.0	0.6		
Australia	158	92	250	450	33	483	230	37	267	134	62	196	200	83	283		
United States	0	8	8	0	13	13	0	22	22	0	12	12	0	0	0		
Germany	0	0	0	0	311	311	260	0	260	105	10	115	0	26	26		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	54	54		
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-site storage: metric tonne	1,587	1,341	2,928	1,989	6,659	8,648	3,382	3,260	6,642	25	0	25	28	0	28		
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	1,549	0	1,549	1,974	0	1,974	3,378	0	3,378	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	1,341	1,341	0	6,614	6,614	0	3,235	3,235	0	0	0	0	0	0		
Germany	13	0	13	15	20	35	5	0	5	0	0	0	13	0	13		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Ireland	25	0	25	0	25	25	0	25	25	25	0	25	15	0	15	NORM waste	
Other – Oilfield Waste Processing: metric tonne	6,050	449	6,499	1,208	2,698	3,905	1,913	31,298	33,211	2,027	28,161	30,188	4,185	37,135	41,319		
Canada	6,050	192	6,242	1,208	2,698	3,905	1,913	15,836	17,749	2,027	17,538	19,565	3,297	29,592	32,889		
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	257	257	0	0	0	0	3,536	3,536	0	0	0	0	65	65		
Germany	0	0	0	0	0	0	0	0	0	0	0	0	888	2,881	3,768		
Central and Eastern Europe - Hungary and Croatia	0	0	0	0	0	0	0	11,926	11,926	0	10,624	10,624	0	4,597	4,597		
Ireland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Weight of hazardous waste shipped internationally: metric tonne	270	0	270	147	0	147	57	0	57	173	0	173	39	0	39		
Canada	0		0	0		0	0		0	0		0	0		0		
France	0		0	0		0	0		0	0		0	0		0		
Netherlands	0		0	0		0	0		0	0		0	0		0		
Australia	0		0	0		0	0		0	0		0	0		0		
United States	0		0	0		0	0		0	0		0	0		0		
Germany	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		
Ireland	270		270	147		147	57		57	173		173	39		39		
DRILL MUD AND CUTTINGS	2020			2021			2022			2023			2024				
Drill mud & cuttings produced using non-aqueous drilling fluid, onshore disposal to controlled sites: tonne			17,184			12,549			11,694			14,012			19,750		
Canada			17,184			11,881			10,622			11,273			11,869		
France			0			0			0			0			0		
Netherlands			0			668			905			2,274			0		
Australia			0			0			0			0			0		
United States			0			0			0			0			0		
Germany			0			0			168			465			7,881		
Central and Eastern Europe - Hungary and Croatia			0			0			0			0			0		
Ireland			0			0			0			0			0		
Non-Aqueous drilling fluid re-used at another location (i.e. recovered and transported invert): m3			0			0			1,944			0			0		
United States			0			0			1,944			0			0		
Drill mud & cuttings produced using aqueous drilling fluid, onshore disposal to controlled sites: tonne			5,872			11,016			12,745			12,222			26,238		
Canada			5,088			6,890			5,777			8,604			8,294		
France			0			0			0			0			0		
Netherlands			43			1,167			585			1,269			5		

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Annual Production - Operated facility throughput including third-party volumes: boe		42,202,207		36,865,352			35,634,107		32,961,096		32,072,704	Use for intensity calculations to ensure numerator/denominator alignment
Australia		0		0			0		0		0	
United States		0		289			0		0		0	
Germany		0		289			1,251		2,297		13,341	
Central and Eastern Europe - Hungary and Croatia		742		2,671			5,132		52		4,597	
Ireland		0		0			0		0		0	
Drill mud & cuttings produced using aqueous drilling fluid, disposal at Vermilion controlled location: tonne		17,389		20,398			17,856		4,742		11,162	
Canada		16,048		12,830			11,756		3,642		11,162	
France		0		0			0		0		0	
Netherlands		0		0			0		0		0	
Australia		0		0			2,865		0		0	
United States		1,341		7,568			3,235		1,100		0	
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	2020		2021		2022		2023		2024			S&P Global
Sites where waste data is third-party verified												
Canada		Yes		Yes			Yes		Yes		Yes	
France		Yes		Yes			Yes		Yes		Yes	
Netherlands		Yes		Yes			Yes		Yes		Yes	
Germany		Yes		No			Yes		Yes		Yes	
Ireland		No		Yes			Yes		Yes		Yes	
Sites where waste management is ISO 14001 certified												
Canada		Yes		Yes			Yes		Yes		Yes	Waste contractor is ISO14001 certified
Australia		Yes		Yes			Yes		Yes		Yes	Waste contractor is ISO14001 certified
Germany		Yes		Yes			Yes		Yes		Yes	Waste contractor is ISO14001 certified
Ireland		Yes		Yes			Yes		Yes		Yes	Waste contractor is ISO14001 certified
Sites where hazardous waste management is HAZWOPER certified												
Ireland		Yes		Yes			Yes		Yes		Yes	