

# MOX Use in the World

Country	Plant Name	Reactor Type	Gross Output (MW)	Start of Loading	Cumulative Number of MOX Fuel Assemblies As of the End of 2021
Belgium	Tihange-2	PWR	1,055	1994*1	Unknown
	Doel-3	PWR	1,056	1994	
France	Phénix	FBR	140	1973	3,500
	St.Laurent-Des-Eaux-B1	PWR	956	1987	
	St.Laurent-Des-Eaux-B2	PWR	956	1988	
	Gravelines-3	PWR	951	1989	
	Gravelines-4	PWR	951	1989	
	Dampierre-1	PWR	937	1990	
	Dampierre-2	PWR	937	1993	
	Le Blayais-2	PWR	951	1994	
	Tricastin-2	PWR	955	1996	
	Tricastin-3	PWR	955	1996	
	Tricastin-1	PWR	955	1997	
	Tricastin-4	PWR	955	1997	
	Gravelines-1	PWR	951	1997	
	Le Blayais-1	PWR	951	1997	
	Dampierre-3	PWR	937	1998	
	Gravelines-2	PWR	951	1998	
	Dampierre-4	PWR	937	1998	
	Chinon-B4	PWR	954	1998	
	Chinon-B2	PWR	954	1999	
Chinon-B3	PWR	954	1999		
Chinon-B1	PWR	954	2000		
Gravelines-6	PWR	951	2008		
Gravelines-5	PWR	951	(2010)		
Germany	Obrigheim*2	PWR	357	1972	78
	Necker-1*3	PWR	840	1982	32
	Unterweser*3	PWR	1,410	1984 to 2009	200
	Grafenrheinfeld*4	PWR	1,345	1985 to 2012	164
	Philippsburg-2*5	PWR	1,458	1989	228
	Grohnde*6	PWR	1,430	1988 to 2018	140
	Brokdorf*6	PWR	1,440	1989 to 2019	272
	Gundremmingen-C*6	BWR	1,344	1995	376
	Gundremmingen-B*4	BWR	1,344	1996	532
	Isar-2	PWR	1,475	1998 to 2019	212
Necker-2	PWR	1,400	1998	96	
Emsland	PWR	1,406	2004	144	

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India	Kakrapar-1	PHWR	202	2003	
	Tarapur TAPS-1	BWR	160	1994	
	Tarapur TAPS-2	BWR	160	1995	
	PFBR	FBR	500		
Netherlands	Borssele	PWR	512	2014	48
Russia	Beloyarsk-3	FBR	600	2003	18
	Beloyarsk-4	FBR	885	2020	
Switzerland	Beznau-1	PWR	380	1978	124
	Beznau-2	PWR	380	1984	108
	Gosgen	PWR	1,060	1997 to 2012	48
	Leibstadt	BWR	1,200	Licensed	
	Muhleberg*7	BWR	372	Licensed	
Sweden	Oskarshamn-1	BWR	465	Licensed	
	Oskarshamn-2	BWR	630	Licensed	
	Oskarshamn-3	BWR	1,205	Licensed	
U.S.A.	Catawba-1	PWR	1,205	2005*8	4
	Robert E. Ginna	PWR	602	1980*9 to 1985	4
Japan	Fugen*10	ATR	165	1981	772
	Monju*11	FBR	280	1993	
	Genkai-3	PWR	1,180	2009	20
	Ikata-3	PWR	890	2010	21
	Takahama-3	PWR	870	2010	28
	Takahama-4	PWR	870	2016*13	20
	Fukushima I-3*12	BWR	784	2010	32
	Kashiwazaki Kariwa-3	BWR	1,100	Licensed*15	
	Hamaoka-4	BWR	1,137	Licensed*15	
	Shimane-2	BWR	820	Licensed*15	
	Onagawa-3	BWR	825	Licensed*15	
Tomari-3	PWR	912	Licensed*15		
	Ohma*14	ABWR	1,383	Licensed*15	

\* 1 : End of MOX use in 2003  
 \* 2 : May 11, 2005, closed  
 \* 3 : August 07, 2011, closed  
 \* 4 : December 31, 2017, closed  
 \* 5 : December 31, 2019, closed  
 \* 6 : December 31, 2021, closed  
 \* 7 : December 20, 2019, closed  
 \* 8 : 2005, 4 fuel assemblies loaded. Loaded for about 4 years.

\* 9 : 1980, 4 fuel assemblies loaded.  
 \* 10 : March 29, 2003, closed  
 \* 11 : December 21, 2016, decision to decommissioned  
 \* 12 : April 19, 2012, decommissioned  
 \* 13 : In 2016, four fuel assemblies were loaded and stopped after criticality. After that, start operating in 2017.  
 \* 14 : under construction  
 \* 15 : Licensed under the old regulatory standards  
 (Note) Only the findings from the questionnaire are posted.