

List of the IAEA publications on Fuel Performance and Technology (1991-2003)

1991

- IAEA-TECDOC-584 Guidebook on quality control of mixed oxides and gadolinium bearing fuels for Light Water Reactors
- WORKING MATERIAL Fuel performance at high burnup for water reactors - IWGFPT/36
- WORKING MATERIAL Post-irradiation examination techniques for reactor fuel – IWGFPT/37
- TRS No. 322 Guidebook on non-destructive examination of water reactor fuel

1992

- WORKING MATERIAL International Working Group on Water Reactor Fuel Performance and Technology (Summary Report of the 10th Plenary Meeting) – IWGFPT/38
- WORKING MATERIAL Economics of U and Pu recycling and status of MOX fuel utilization – No. 92/4
- IAEA-TECDOC-667 Coolant technology of water cooled reactors
Volume 1: Chemistry of primary coolant in water cooled reactors
Volume 2: Corrosion in the primary coolant systems of water cooled reactors
Volume 3: Activity transport mechanisms in water cooled reactors
- TRS No. 343 Water Reactor Fuel Extended Burnup Study
- WORKING MATERIAL Water Reactor Extended Burnup Study – No. 92/5

1993

- IAEA-TECDOC-684 Corrosion of zirconium alloys in nuclear power plants
- IAEA-TECDOC-692 Poolside inspection, repair and reconstitution of water reactor fuel
- IAEA-TECDOC-697 Fission gas release and fuel rod chemistry related to extended burnup
- IAEA-TECDOC-706 Behaviour of core materials and fission product release in accident conditions in LWRs
- IAEA-TECDOC-709 Fuel failure in normal operation of water reactors: experience, mechanisms and management
- WORKING MATERIAL International Working Group on Water Reactor Fuel Performance and Technology (Summary Report of the 11th Plenary Meeting) – IWGFPT/39

1994

- WORKING MATERIAL International Working Group on Water Reactor Fuel Performance and Technology (Summary Report of the 11th Plenary Meeting) – IWGFPT/40

1995

- IAEA-TECDOC-794 Grain size determination in zirconium alloys
- WORKING MATERIAL Fuel modelling at extended burnup (FUMEX)
Working Material - IWGFPT/43

IAEA-TECDOC-813	Advances in control assembly materials for water reactors
IAEA-TECDOC-844	Characteristics and use of urania-gadolinia fuels
1996	
IAEA-TECDOC-850	Fuel technology and performance of non-water cooled reactors
WORKING MATERIAL	Catalogue of PIE Facilities which can examine LWR Fuel and Structural Components - Report of the CRP on ED-WARF-II 1992-1995
WORKING MATERIAL	In-core instrumentation and in-situ measurement in connection with fuel behaviour
TRS No. 379	Design and performance of WWER fuel
IAEA-TECDOC-921	Behaviour of LWR core materials under accident conditions
1997	
IAEA-TECDOC-927	Influence of water chemistry on fuel cladding behaviour
IAEA-TECDOC-957	Water reactor fuel element modelling at high burnup and its experimental support
WORKING MATERIAL	International Working Group on Water Reactor Fuel Performance and Technology - Summary Report of the 14th Plenary Meeting
TRS No. 385	Guidebook on Destructive Examination of Water Reactor Fuel
IAEA-TECDOC-970	Studies of fuels with low fission gas release
1998	
IAEA-TECDOC-998	Fuel modelling at extended burnup
IAEA-TECDOC-997	Water channel reactor fuels and fuel channels: Design, performance, research and development
IAEA-TECDOC-996	Waterside corrosion of zirconium alloys in nuclear power plants
TRS No. 388	Review of Fuel Failures in Water Cooled Reactors
IAEA-TECDOC-1036	Advances in fuel pellet technology for improved performance at high burnup
IAEA-TECDOC-1050	Poolside inspection, repair and reconstitution of LWR fuel elements
1999	
WORKING MATERIAL	International Working Group on Water Reactor Fuel Performance and Technology - IWGFPT/49
IAEA-TECDOC-1128	Water chemistry and corrosion control of cladding and primary circuit components

2000

IAEA-TECDOC-1132	Control assembly materials for water reactors: Experience, performance and perspectives
IAEA-TECDOC-1166	Advanced methods of process/quality control in nuclear reactor fuel manufacture
C&S Papers Series 3/P	MOX Fuel Cycle Technologies for Medium and Long Term Deployment
WORKING MATERIAL	International Working Group on Water Reactor Fuel Performance and Technology - IWGFPT/50
WORKING MATERIAL	Survey on fuel failures in water cooled power reactors in 1995-98 (CANDUs, BWRs, PWRs and WWERs) – IWGFPT/51
WORKING MATERIAL	International Working Group on Water Reactor Fuel Performance and Technology - IWGFPT/50
IAEA-TECDOC-1179	Fuel chemistry and pellet-clad interaction related to high burnup fuel
IAEA-TECDOC-1185	Iodine induced stress corrosion cracking of Zircaloy fuel cladding materials
2001	
IAEA-TECDOC-1233	Nuclear fuel behaviour modelling at high burnup and its experimental support
2002	
IAEA-TECDOC-1277	Advanced post-irradiation examination techniques for water reactor fuel
IAEA-TECDOC-1299	Technical and economic limits to fuel burnup extension
IAEA-TECDOC-1303	High temperature on-line monitoring of water chemistry and corrosion control in water cooled power reactors
2003	
IAEA-TECDOC-1345	Fuel failure in water reactors: causes and mitigation
TRS No. 415	Status and Advances in MOX fuel Technology
IAEA-TECDOC-1374 research	Development status of metallic, dispersion and non-oxide advanced and alternative fuels for power and reactors
TI-TM-25642 Working Material	Poolside inspection and repair of water reactor fuel
IAEA-TECDOC-1381 with NS including Criteria, and two	Analysis of differences in fuel safety criteria for WWER and western PWR nuclear power plants” (jointly Department with CD-ROM embedded NEA/CSNI Report on PWR Fuel Safety IAEA Reports)