

# Operating Reactors Business Line Fee Estimates

Business Line	Product Line	Activity	Low Estimate of Level of Effort in Staff Hours*	High Estimate of Level of Effort in Staff Hours*	Average Estimate of Level of Effort in Staff Hours*	Examples
Operating Reactors	Licensing	Amendments - simple	5	2,500		Variation in the subjects of amendments, providing an average is not useful.
Operating Reactors	Licensing	NOEDs	7	40	15	
Operating Reactors	Licensing	Exemptions	15	350	110	
Operating Reactors	Licensing	NFPA-805	520	1,940	850	
Operating Reactors	Licensing	License Transfers	75	370	170	
Operating Reactors	Licensing	Orders	20	75	35	
Operating Reactors	Licensing	Relief Requests	5	400		
Operating Reactors	Licensing	Power Uprates - Measurement Uncertainty Recapture	225	1,000		
Operating Reactors	Licensing	Power Uprates - Stretch Uprate	600	2,500		
Operating Reactors	Licensing	Power Uprates - EPU	4,000	7,500		
Operating Reactors	Licensing	Research and Test Reactors/License Renewals	NA	NA	2,700	Focused review, e.g. DOW and USGS
Operating Reactors	Licensing	Research and Test Reactors - Simple Amendments	18	200	109	Facility: Penn State (05-005); 1,100kw PWR level; LA Title: Penn State Amendment Exigent Request; TAC: ME9067

Operating Reactors	Licensing	Research and Test Reactors - Regular Amendments	201	500	350	Facility: MURR (50-186);10,000kw PWR level; LA Title: U. OF MO. - MURR Request to Amend Tech. Specs to Produce Medical I-131; TAC: MF6514
Operating Reactors	Licensing	Research and Test Reactors - Complex Amendments	501	1,170	743	Facility: Oregon (50-243);1,100kw PWR level; LA Title: OREGON ST, TRIGA MK II - fueled experiment amendment; TAC: ME8443
Operating Reactors	Licensing	Moly 99 Construction Permit Review	NA	NA	22,000	SHINE Application
Operating Reactors	Licensing Support	Topical Reports- simple	250	700	600	Amendment to GESTAR
Operating Reactors	Licensing Support	Topical Reports - med complex	500	2,000	1,350	Westinghouse. WCAP-17769, "Reference Fuel Design SVEA-96 Optima 3"
Operating Reactors	Licensing Support	Topical Reports - high complex	2,000	4,000	3,000	Westinghouse. WCAP-17788, "Comprehensive Analysis and Test Program for GSI-191 Closure"
Operating Reactors	Oversight	Baseline Inspections	1,625	2,100	1,863	This is relative to the number of plants, whether the site is a unique site, and/or is a BWR/PWR plant. The estimate also does not include the recent new Design Basis Assurance inspection indicated separately below.
Operating Reactors	Oversight	Inspection Support Activities	2,022	4,954	3,488	Documentation, Preparation, Communication of Inspection, SDP, travel to site and Plant Status. Numbers vary based on Regional and site needs.
Operating Reactors	Oversight	95001	44	70	57	Reactive Inspections do not occur at each plant annually. Hours may range based of the severity of an event.
Operating Reactors	Oversight	95002	122	220	171	
Operating Reactors	Oversight	95003	790	2,117	1,454	
Operating Reactors	Oversight	Other Inspections and Assessment	40	330	185	Includes Event Response, IPE TI/SY, 95003 Follow-Up, IMC 0350, NRR Funded ISFSI Inspection, Assessment and Public Outreach

Operating Reactors	Oversight	Design Basis Assurance (DBA) Inspection: Inspection Procedures 71111.21M and 71111.21N	765	1,035	900	The DBA inspection is new and was first implemented the beginning of CY17. As such these are preliminary estimates. When additional actual data becomes available these estimates may be revised. The DBA inspection is a triennial inspection.
Operating Reactors	Oversight	Research and Test Reactors	4,500	5,760	5,130	Low estimate based on all docket-direct hours. High estimate includes inspector training, meetings, non-routine site visits, and enforcement and allegation actions, as well as special projects.