

International Atomic Energy Agency

R2D2 Project Basics of Decommissioning of Research Reactors

Cost Estimate & Financial Mechanisms

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1.1.1	U	Init C	cost l	Facto	r Ap	proach							
Productivity Loss Factor (PLF)													
Allowing for the lengthening of the duration of activities due to working conditions/requirements													
a Work at height	b Protective Clothing		c Rad Area	(F	d Respirator Protection	e 'Y Breaks							
0.15	0.23		0.15		0.38	0.10							
Productivity Loss Co Combination of Applicable Factors	mpounding <u>Height</u>	Formula: Protective <u>Clothing</u>	(1+a+b+c) Rad Area	x (1+d) x (1+ Respiratory <u>Protection</u>	e) <u>Breaks</u>	Compounded Productivity Loss							
Breaks only Height & breaks	0.15				0.10 0.10	1.10 1.27							
Rad, PCs & breaks All except respirator All except height	0.15	0.23 0.23 0.23	0.15 0.15 0.15	0.38	0.10 0.10 0.10	1.52 1.68 2.09							
All factors	0.15	0.23	0.15	0.38	0.10	2.32							
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	1.	Ac	tivit	y Dej	pend	ent Co	osts		
	1.2	Ac	tivity	Spe	cific	Appro	bach	ו	
Evenuel	f	4 la vita					4	- I+ -	
Example	e of an	activity s	респіс	calculati	on for a	non-repea	iting tas	SK:	
Mobilizatior	n								
	Rate/ Hour	Number	Hours/ Day	Days	Sub Total	50% Overhead	15% Profit	Total	
Laborer Supervisor Total	25.00 45.00	3 1	8 8	10 10	6000 3600	3000 1800		9000 <u>5400</u> 14,400	
Equipment/	Direct Cost Transport Misc. Sup	ts ation of equi∣ plies	pment		5000 2000	2500 1000		7500 3000	
Total	Temporar (setup	Temporary office & lab trailer (setup and initial month rental)				5000		<u>15000</u> 25,500	
Grand total								3	9,900
									1
				17		Internation	nal Atomic I	Energy Agency	































































