



BIPARTISAN POLICY CENTER

FEBRUARY 21, 2013 IAEA REPORT OVERVIEW						
	NATANZ FUEL ENRICHMENT PLANT		NATANZ PILOT FUEL ENRICHMENT PLANT			FORDOW FUEL ENRICHMENT PLANT
	IR-1	IR-2M	IR-1	IR-2M	IR-4	
CENTRIFUGES ENRICHING	8,692	0	328	171	193	696
TOTAL CENTRIFUGES INSTALLED	12,669	180	328	171	193	2,784
PRODUCT ENRICHMENT	3.5%		19.7%	N/A	N/A	19.7%
PRODUCED SINCE LAST REPORT	446kg		8.9kg	N/A	N/A	23.3kg
TOTAL PRODUCED	5,591kg		101.3kg	N/A	N/A	87.8kg
ENRICHMENT RATE	158kg/month		2.8kg/month	N/A	N/A	7.7kg/month
HIGHEST ENRICHMENT RATE	161kg/month (Nov. 2012)		3.3kg/month (Nov. 2012)	N/A	N/A	7.7kg/month (current)
TOTAL 3.5% STOCKPILE		4,038kg				
TOTAL 20% STOCKPILE		112.9kg				

TIME TO PRODUCE 20 KG HEU AT NATANZ USING TWO-STEP BATCH RECYCLING (assuming 6,887 SWU/ year)					
CYCLE	FEEDSTOCK ENRICHMENT	FEEDSTOCK QUANTITY	PRODUCT ENRICHMENT	PRODUCT QUANTITY	TIME
FIRST	3.5%	476 kg	19.7%	40.3 kg	10 days
SECOND	19.7%	153.2 kg (40.3 kg from 1 st cycle + 112.9 kg from stockpile)	90%	20 kg	8 days
TOTAL					23 days

TIME TO PRODUCE 20 KG HEU AT NATANZ USING THREE-STEP BATCH RECYCLING (assuming 6,887 SWU/ year)					
CYCLE	FEEDSTOCK ENRICHMENT	FEEDSTOCK QUANTITY	PRODUCT ENRICHMENT	PRODUCT QUANTITY	TIME
FIRST	3.5%	3,470 kg	19.7%	294.1 kg	75 days
SECOND	19.7%	407 kg (294.1 kg from 1 st cycle + 112.9 kg from stockpile)	55.4%	71.4 kg	14 days
THIRD	55.4%	71.4 kg	86.3%	21 kg	4 days
TOTAL					99 days

TIME TO PRODUCE 20 KG HEU AT NATANZ FROM 20% ENRICHED URANIUM
(assuming 6,887 SWU/ year)

CYCLE	FEEDSTOCK ENRICHMENT	FEEDSTOCK QUANTITY	PRODUCT ENRICHMENT	PRODUCT QUANTITY	TIME
FIRST	19.7%	155 kg	90%	20 kg	8 days