



BIPARTISAN POLICY CENTER

AUGUST 28, 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	9,156	0	328	180	183	696
TOTAL CENTRIFUGES INSTALLED	15,416	1,008	328	180	183	2,710
PRODUCT ENRICHMENT	3.5%		19.7%	N/A	N/A	19.7%
PRODUCED SINCE LAST REPORT	503kg		10.1kg	N/A	N/A	22.4kg
TOTAL PRODUCED	6,560kg		120.2kg	N/A	N/A	131.6kg
ENRICHMENT RATE	156kg/month		3.2kg/month	N/A	N/A	7.0kg/month
HIGHEST ENRICHMENT RATE	161kg/month (Nov. 2012)		3.3kg/month (Nov. 2012)	N/A	N/A	7.7kg/month (Feb. 2013)
TOTAL 3.5% STOCKPILE		4,579.2kg				
TOTAL 20% STOCKPILE		126.7kg				

TIME TO PRODUCE 20 KG HEU AT NATANZ USING TWO-STEP BATCH RECYCLING (assuming 6,813 SWU/ year)					
CYCLE	FEEDSTOCK ENRICHMENT	FEEDSTOCK QUANTITY	PRODUCT ENRICHMENT	PRODUCT QUANTITY	TIME
FIRST	3.5%	313 kg	19.7%	26.5 kg	7 days
SECOND	19.7%	153.2 kg (26.5 kg from 1 <sup>st</sup> cycle + 126.7 kg from stockpile)	90%	20 kg	8 days
TOTAL					19 days

TIME TO PRODUCE 20 KG HEU AT NATANZ USING THREE-STEP BATCH RECYCLING (assuming 6,813 SWU/ year)					
CYCLE	FEEDSTOCK ENRICHMENT	FEEDSTOCK QUANTITY	PRODUCT ENRICHMENT	PRODUCT QUANTITY	TIME
FIRST	3.5%	3,307 kg	19.7%	280.3 kg	72 days
SECOND	19.7%	407 kg (280.3 kg from 1 <sup>st</sup> cycle + 126.7 kg from stockpile)	55.4%	71.4 kg	14 days
THIRD	55.4%	71.4 kg	86.3%	21 kg	4 days
TOTAL					96 days