

ERRATA IN “THE LINEAR REACTIVITY MODEL FOR NUCLEAR FUEL
MANAGEMENT”

<u>PAGE</u>	<u>CORRECTION</u>
7: Eq. (1.4)	B_1
9: Below Eq. (1.8).....	$/(n+1)$, twice
13: Eq. (1.21)	$\Delta\rho_n = \left(\frac{n-1}{2n}\right)\rho_{01}$ hence $\Delta\rho_3 = \rho_{01}/3$
13: Last line.....	$B_{cn} = B_1/n$; $B_{c3} = B_1/3$
15: Mid-page.....	$2/(n+1)$; number Eq. (1.24)
19:	The sign in Eq. (1.26) should be positive (+) and the v_M is the definition of α , since this v_M is the specific volume of water: volume per unit mass, the inverse of density. Note that $\frac{1}{v_M} \frac{\partial v_M}{\partial T_M} = -\frac{1}{\rho_M} \frac{\partial \rho_M}{\partial T_M}.$
19: Bottom of page:	$\alpha = \left(\frac{1}{v_M}\right)\left(\frac{\partial v_M}{\partial T_M}\right)$
20: Table 1.3	$D2 = 0.4269\bar{8}6$
23: Two lines above Eq. (1.30).....	layer $1/4$ M thick, hence, in Eq. (1.30) $\rho_{LR} = \frac{M}{2R}$ and below Eq. (1.30)..... $\rho_{LR} = 0.025$
31: First 10 lines:	Change Eq. (1.40) to Eq. (1.41) - four times
46: Middle table:	ΔB_1 - three times
Bottom table:.....	$\Delta B_2 = -1.5$ MWd/kg
47: Above line mid-page.....	$2/(n+1)$
51: Second table:.....	replace 10^2 by 10^{-2} – three times insert Batch 5 entry: $-10^{-2} B_1$
52: Cycle “1” table:.....	replace 10^2 by 10^{-2} – four times
Cycle “2” batch 3, AB_{C1}	first entry is -0.1
60: Line 3:.....	$2/(n+1)$
61: Above Eq. (2.42):.....	Eqs. (2.40) and (2.41)
85: Eq. (3.42):	$(1 + \theta\rho_j)$
Point No. 3:.....	ρ_0
Eq. (3.44):	X_p
140: Line 3, change:.....	“efficiency” to “efficacy”

- 163: Eq. (6.3), first sum:upper limit should be “n”
179: 2/3 down page, change: $\delta\rho$ to $\Delta\rho$
179: Six lines below mini-table: $\Delta\rho \approx 0.05$
203: Top of page:delete second sentence on line numbers
Eq. (B.3):.....change font on first $\Delta\theta$ to agree with second
222: Four lines from bottom:succinct