

4M16 Nuclear Power Engineering 2015

Answers

Q1 (e)(i)  $4.186 \times 10^{10}$  Bq

(e)(ii)  $0.645 \text{ mSvhr}^{-1}$

Q2 (c)(i)  $11.18 \text{ m}^{-1}$

(c)(ii) 1.209

(c)(iii) 0.483 m

Q3 (b)(iii) 253.2 kW

(c) 393.0 kW

Q4 (d) 51.45 s from the in-hour equation; 59.58 s from the part (c) result.