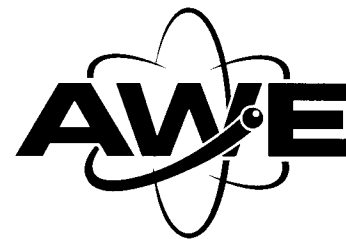


Ref:EA 0824N

Reply to: RJ Cockerill, A6.1, AWE(A)
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RICC Ref: EA 0824N
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Date: 11th November 2003

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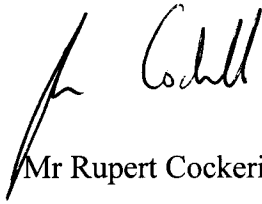
ATMOSPHERIC DISCHARGES FROM AWE ALDERMASTON

MONTHLY SUMMARY REPORT FOR SEPTEMBER 03

The attached report summarises the radioactive material discharged to the atmosphere by AWE plc at the Aldermaston site during the aforesaid month.

References to Schedules within this report refer to the Schedules detailed in the Certificate of Authorisation (Reference BB0523).

Yours faithfully,



Mr Rupert Cockerill
Group leader DRMS

Distribution:

MOD Compliance D(Nuc)C
Mr A Gorringe
Building F6.1
AWE(A)

Licensing & Regulatory Issues
Mr A Slade (via RICC)
Building A85.1
AWE(A)

Assurance
Mr George Wall
Building A85.1
AWE(A)

SCHEDULE 3**TABLE 2a****Gaseous discharge outlets from buildings A and B and C and D and E and F in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	175 kBq	35 kBq	1.44 kBq	0.82	59.91 kBq
Plutonium – 241	700 kBq	140 kBq	5.75 kBq	0.82	239.65 kBq
Tritium	15 TBq	3 TBq	0.11 TBq	0.74	0.92 TBq
Other beta and gamma emitters	2 MBq	400 kBq	6.48 kBq	0.32	35.19 kBq

TABLE 2b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	1.87 kBq	2.59 kBq	1.44 kBq	16.86
Plutonium – 241	7.49 kBq	10.37 kBq	5.75 kBq	16.86
Tritium	0.15 TBq	0.15 TBq	0.11 TBq	13.58
Other beta and gamma emitters	4.39 kBq	5.88 kBq	6.48 kBq	4.19

TABLE 3a**Gaseous discharge outlets from buildings G in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	50 kBq	10 kBq	0.65 kBq	1.30	14.62 kBq
Plutonium – 241	200 kBq	40 kBq	2.09 kBq	1.04	32.97 kBq

TABLE 3b

Radionuclide	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	0.96 kBq	1.53 kBq	0.65 kBq	31.32
Plutonium – 241	2.28 kBq	5.15 kBq	2.09 kBq	23.78

TABLE 4a**Gaseous discharge outlets from building H in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Tritium	120 TBq	24 TBq	2.30 TBq	1.92	17.48 TBq

TABLE 4b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Tritium	0.62 TBq	1.55 TBq	2.30 TBq	18.65

TABLE 5a**Gaseous discharge outlets from buildings I and J and K in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	20 kBq	4 kBq	0.20 kBq	0.98	2.35 kBq
Krypton - 85	200 GBq	40 GBq	0.00 GBq	0.00	3.72 GBq

TABLE 5b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	0.14 kBq	0.38 kBq	0.20 kBq	17.78
Krypton - 85	0.00 GBq	0.00 GBq	0.00 GBq	0.00

TABLE 6a**Gaseous discharge outlets from buildings L and M in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Tritium	25 TBq	5 TBq	0.07 TBq	0.27	0.72 TBq

TABLE 6b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Tritium	0.06 TBq	0.06 TBq	0.07 TBq	3.83

TABLE 7a**Gaseous discharge outlets from buildings N and O in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	50 kBq	10 kBq	0.33 kBq	0.66	4.51 kBq
Plutonium – 241	200 kBq	40 kBq	1.31 kBq	0.66	18.04 kBq

TABLE 7b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	0.42 kBq	0.75 kBq	0.33 kBq	14.96
Plutonium – 241	1.68 kBq	2.99 kBq	1.31 kBq	14.96

TABLE 8a**Gaseous discharge outlets from building P in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	10 kBq	2 kBq	0.07 kBq	0.73	0.99 kBq

TABLE 8b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	0.14 kBq	0.08 kBq	0.07 kBq	14.80

TABLE 9a**Gaseous discharge outlets from building Q in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Krypton - 85	800 GBq	160 GBq	0.00 GBq	0.00	0.00 GBq

TABLE 9b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Krypton - 85	0.00 GBq	0.00 GBq	0.00 GBq	0.00

TABLE 10a**Minor gaseous discharge outlets from all other buildings on the Aldermaston site approved by the Agency in total**

Radionuclide	Annual Discharge Limit	Quarterly Notification Level	Reported Discharge in Month	Percentage of Annual Limit discharged in month	Rolling 12 Month Total Discharge
Alpha emitters	145 kBq	29 kBq	2.04 kBq	1.41	22.49 kBq
Plutonium – 241	580 kBq	116 kBq	6.94 kBq	1.20	75.45 kBq
Tritium	10 TBq	2 TBq	0.00 TBq	0.03	0.07 TBq
Other beta and gamma emitters	3 MBq	600 kBq	7.15 kBq	0.24	80.74 kBq

TABLE 10b

	Discharges for the Rolling Quarter Under Report			Rolling 3 month Percentage of Quarterly Notification Level
	Jul 03	Aug 03	Sep 03	
Alpha emitters	1.93 kBq	1.66 kBq	2.04 kBq	19.40
Plutonium – 241	6.52 kBq	5.27 kBq	6.94 kBq	16.15
Tritium	0.00 TBq	0.00 TBq	0.00 TBq	0.46
Other beta and gamma emitters	6.96 kBq	7.15 kBq	7.15 kBq	3.54