

Dear Roger

The following is the MoD's answer to AMEC/0/71.

At the foot of this response is a complete list of the sites that are routinely occupied by Spadeadam threat systems as provided to me today by the range controller. Subject to remarks below, the latitudes, longitudes and OSGB 86 Grid references accord with those supplied on 23 April 2008.

The correspondence of 23 April 2008 listed 14 sites. In name, these 14 sites correspond with the first 13 on MOD/0/23 plus the last one on MOD/0/23. Save for:

- (1) Otterburn Training Area;
- (2) Albermarle Barracks; and
- (3) Berry Hill.

the OSGB 86 grid references are the same in both of these documents (sometimes greater resolution is given in one than in the other).

In relation to the above three sites, the discrepancies are minor. For example, for the Otterburn Training Area, a grid reference of NT 8136 0649 was given in the April 2008 document, whereas in MOD/0/23 a grid reference of NT 8130 0630 was given. As you will appreciate, on the national grid reference system, a reference of 2 x 2 digits will give accuracy to 1km, whereas a reference of 2 x 5 digits will give accuracy to 1m. Thus, in the example given, there is a discrepancy of 60m and 190m in the other direction. The other discrepancies are of a similar order.

We do not immediately see how discrepancies of this order can induce a delay of a "few weeks" in producing evidence on the threat radars. Nor do we consider that discrepancies of this order of tolerance properly give rise to the doubts underlying the last six questions in AMEC/0/71.

So far as the additional seven sites listed on MOD/0/23, you will have noticed that none of these is a site listed on MOD/0/21 (showing off-base statistics). You will also notice that the April 2008 document gave a list of "Threat Radar Remote Sites" — though it should be noted it also included Berry Hill itself. The table in the April document has to be read in conjunction with the answers to questions 20 and 24, which refer to it. The questions asked were:

"Q.20 Are there any constraints on the sites that are used for the trials of the threat systems radar?

A.20 Threat radar systems can be deployed anywhere within Spadeadam Range, on the fixed sites mentioned in the table below, on any government land (with permission) and on private land (with permission).

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Q.24 For each potentially affected system please list the names and grid reference for each site to which the system is authorised to be deployed.

A.24 See question 20 above."

Of the seven additional sites listed on MOD/0/23, five appear in the table below and these are all within the Spadeadam range. There is no discrepancy between the April 2008 document and MOD/0/23: it is just that the table below and MOD/0/23 include sites within the Spadeadam range, whereas the April 2008 list does not (and did not purport to).

Two further points. You will see in the table below that four specific "Berry Hill" sites are given. As is apparent from the coordinates, they are very close to each other and there is no more than 10ft elevational difference between them. You will also see that there are two "Greymare Hill" sites. Again, there is little that separates them, either in height or location.

Given the above, we are of the view that none of the discrepancies are material for the purposes of ascertaining the anticipated adverse effects of the windturbines on the operation of the threat system radars. If it is maintained otherwise, we would ask that AMEC say so and demonstrate how that might be so.

LIST OF ALL CURRENT SPADEADAM THREAT SITES

Site	Latitude	Longitude	Elev Ft	OSGB 86 Grid	ON/OFF BASE	IN/OUT D510
Berry Hill 1 (SA-2)	5502.989N	00233.519W	943ft	NY 64406 72957	ON	IN
BH2	5502.963N	00233.388W	940ft	NY 64545 72907	ON	IN
BH3	5503.132N	00233.294W	933ft	NY 64647 73220	ON	IN
BH5	5503.122N	00233.184W	933ft	NY 64764 73200	ON	IN
Prior Lancy	5502.445N	00238.078W	950ft	NY 59542 71989	ON	IN
Greymare Hill (East)	5503.692N	00235.371W	1068ft	NY 62445 74275	ON	IN
Grey mare Hill (West)	5503.780N	00235.831W	1084ft	NY 61956 74443	ON	IN
Blackshaws Hill	5504.047N	00234.285W	+01112	NY 63606 74924	ON	IN
Collinski	5503.897N	00232.955W	+00956	NY 65019 74635	ON	IN
R8	5502.12N	00234.73W	+00795	NY 63107 71349	ON	IN
Bell Craggs	5503.012N	00221.442W	+01417	NY 7726672914	OFF	IN
Bolts Law	5507.920N	00229.156W	+01460	NY 6911582067	OFF	IN
RAF Boulmer – SPACES site	5524.486N	00137.087W	+138ft	NU 24279 12752	OFF	OUT
Brunton Airfield – SPACES Site	5531.268N	00140.273W	98FT	NU 2086 2531	OFF	OUT
Larriston Fell	5512.919N	00241.754W	+01686	NY 5582091453	OFF	OUT
Monkside	5514.869N	00229.739W	+01847	NY 6858794960	OFF	OUT
Peat Hill	5455.705N	00223.439W	+01329	NY 7506359373	OFF	OUT
Wigg Knowe	5519.784N	00240.155W	+01772	NT 5763804169	OFF	OUT
White Preston	5505.004N	00238.387W	+01555	NY 5925676737	OFF	OUT
Otterburn OP 11				NT 8130 0630	OFF	OUT
Albermarle Barracks				NZ 0820 7000	OFF	OUT
Charterhall Airfield				NT 76404640	OFF	OUT

“ON BASE” = Site is within MOD Land Boundary as detailed on Map Sheet no GSGS 5295 – Kileder and Adjoining Forests

“OFF Base” = Site is outside of MOD Boundary.

Philip Coppel
Tuesday, 24 June 2008