



Ministry
of Defence

Our Ref: FOI2019/08622

Ministry of Defence
Main Building
Whitehall
London SW1A 2HB
United Kingdom

Telephone: +44(0)20 7218 9000

E-mail: DNO-Secretariat Team (MULTIUSER)

[REDACTED]
[REDACTED]
16 December 2019

Dear [REDACTED]

Thank you for your email requesting the following information:

File reference: AB 54/101

As confirmed previously, we have treated your correspondence as a request for information under the Freedom of Information Act 2000 and we can advise that the Ministry of Defence (MOD) holds information in scope of your request.

We attach the following document:

- File AB 54/101 - Meteorological work at atomic energy establishments

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely,

Defence Nuclear Organisation Secretariat

RP 15/4/2



UKAEA

ATOMIC ENERGY RESEARCH ESTABLISHMENT,
Health Physics and Medical Division, Building 364.
HARWELL.

DIDCOT, BERKS.

Your reference:
Our reference:

telegrams: ATEN, ABINGDON telex: 83135
telephone: ABINGDON 4141 EXT 4604

2nd January, 1970.

Miss P. M. Bryant, *P.M.*
R.P.D.,
Building 10.23.

Dear Pam,

There has been a rearrangement of some of the dials and recorders for wind speed and direction at A.E.R.E. as a consequence of the closure of B.E.P.O., and the transfer of the Site Emergency control room from Building 1 to Building 364.6. I have marked the changes in red on a Xerox copy of the form G16879/LG/8/68/70, which we originally returned as requested in your letter dated 23rd August, 1968.

Would you please take any necessary action on these amendments.

Yours sincerely,

Ted

J. E. Johnston.

Enc.

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

X THE RECORDERS INSTALLED IN BUILDING ³⁶⁴⁴⁶ ARE CHECKED DAILY AND ANY OBVIOUS ERRORS ARE RECTIFIED WITH A MINIMUM OF DELAY. THE

Any additional information should be entered below.

DIALS ARE CHECKED MONTHLY AND FAULTS ARE REMEDIED AT ONCE

The data sent to the Meteorological Office for analysis were obtained from the recorder charts for the high level and the low level anemometers. The recorder charts were also sent to the Meteorological Office.

RP 15/4/2

2529

20th October 1969

Mr. G. Tyler,
D.E.R.E.,
Thurso,
Caithness.

Dear Graham,

Meteorological Data

For some time now you have been sending us copies of your wind data returns to the Met. Office, for which I thank you. We asked for them in connection with F. Morgan's investigations round Dounreay. Now that these have finished, we no longer require copies in this Division.

This change does not in any way affect your arrangement to supply data to the Met. Office.

Yours sincerely,

AMB

Pamela M. Bryant

File

RP 15/4/2

2529

18th February 1969

Mr. K. Bryant,
Meteorological Office Met O 6b,
London Road,
Bracknell,
Berks.

Dear Mr. Bryant,

Meteorological Information in the Event of a Site Emergency

I am writing further to my letter of 24th January and our subsequent telephone conversation, regarding the desirability or otherwise of saving rainfall samples from collecting stations after an accidental radioactive release.

I understand from Dr. Johnston in Health Physics and Medical Division at Harwell that a BSI Panel on the Meteorological Aspects of Reactor Safety met in 1965 and discussed this topic. Mr. N. G. Stewart of UKAEA, Harwell, chaired the Panel, and I believe that yourselves and the CEGH were represented. The Panel apparently decided that rainfall samples would not be required, although it seems that there was some pressure from outside the UK to make them a requirement.

Mr. Stewart and we in the Authority Health and Safety Branch currently endorse this decision as far as the UKAEA is concerned.

Yours sincerely,

PMB

Pamela M. Bryant (Miss)

File

RP 15/4/2

2529

24th January 1969

Mr. K. Bryant,
Meteorological Office Met O 6b,
London Road,
Bracknell,
Berks.

Dear Mr. Bryant,

Meteorological Information in the Event of a Site Emergency

I should be glad if you could provide me with some background information relevant to the following request, made by Mr. Kinshott of Upavon Meteorological Office to Harwell on 20th December 1968.

Mr. Kinshott asked within what radius around Harwell we required to know the rainfall collecting stations. He said that they had been asked to prepare such a list as part of the information they would be required to provide in the event of a site emergency.

Neither Dr. Johnston in Health Physics and Medical Division at Harwell, nor I know anything about this requirement, and we should be pleased to hear about it.

Yours sincerely,

Pamela M. Bryant (Miss)

RP15/42

HA/315/01.

Miss P. M. Bryant,
R.P.D.,
Building 10.23.

1. Last Friday, 20th December, Mr. Kinshott, Meteorological Office, Upavon telephoned and asked within what radius around Harwell we required to know the rainfall collecting stations. He said they had been asked to prepare such a list as part of the information they would be required to provide in the event of a site emergency.

2. I can see no reference to this in the current agreement between the Authority and the Meteorological Office dated March, 1968. I would be grateful therefore if you would look into this and let me know the outcome.

JE Johnston

J. E. Johnston

Health Physics and Medical Division,
Building 364.

Ext: 4604

23rd December, 1968

/JE.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY



REACTOR GROUP

020 0

Risley, Warrington, Lancs.

TELEX: 62-301 ATOM, RISLEY.

WARRINGTON 31244

Telegrams: 'ATEN' WARRINGTON TELEX

Ext. 2292

Tour Ref. RP 15/4/2 Our Ref.

F

11th November, 1968.

Mr. H. J. Dunster,
A.H.S.B.,
Harwell.

Dear *John,*

Your letter of 30th October to Ian Hurley about the Risley anemometer has been passed to me. Hurley has not been in charge of the Reactor Engineering Laboratory for some considerable time now, and his replacement, Paul Evans, died suddenly about three weeks ago. In any case, this is part of my responsibilities and is normally dealt with by Stanley Wilson.

I have noted what you say and I assume that no action is required.

Yours sincerely,

John
J. R. WILCOX-BAKER



020 73

METEOROLOGICAL OFFICE

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex: 84160)

Telephone: Bracknell 20242, ext. 320

Please address any reply to
THE DIRECTOR-GENERAL

and quote: AF/M 368/66

Your reference: RP 15/4/2

1st November, 1968

Mr. H.J. Dunster,
Deputy Division Head,
Radiological Protection Division,
Authority Health and Safety Branch,
United Kingdom Atomic Energy Authority,
Harwell, Didcot,
Berks.

F

Dear Mr. Dunster,

Thank you for your letter of the 30th October, formally agreeing to the deletion of reference to Risley in the agreement between Establishments of the UKAEA and the Meteorological Office.

We will inform our meteorological offices of the amendment in the near future.

Yours sincerely,

T.N.S. HARROWER
Assistant Director (Defence Services)

RP 15/4/2

8110

30th October 1968

Mr. F. I. Harley,
Reactor Engineering Laboratory,
Risley,
Warrington,
Lancs.

Dear Harley,

Because the Meteorological Office were not satisfied with the positioning of the Risley anemometer, they have asked us to delete Risley from the formal agreement between the Authority and the Meteorological Office for emergency assistance. They have made no difficulties in arranging for all the necessary links between Risley and their Forecasting Office in Preston, and the removal from the agreement is a matter of mere formality. I have not been able to find out why they wanted to bother, but as you get all the services you need outside the formal agreement I can see no harm. The enclosed copy letter to Harrewer formalises the position.

Yours sincerely,

H. J. Dunster

AF/M 368/66/Met O 6
RP 15/4/2

8110

30th October 1968

Mr. T. N. S. Harrewer,
Assistant Director (DB),
Meteorological Office,
London Road,
Bracknell,
Berks.

Dear Mr. Harrewer,

Following discussions between the Meteorological Office and our laboratories at Risley, and the relevant correspondence between K. Bryant and Miss P. M. Bryant, I should now formally like to amend the agreement between establishments of the UKAEA and the Meteorological Office which we both signed on 11th and 12th March 1968.

Since detailed arrangements have now been made for advice to be obtained by Risley from the Forecasting Office at Presten and since the meteorological data available from Risley will not be sufficiently reliable to be of value to the Forecasting Office, the reference to Risley in Appendices I and II of the Agreement should be deleted.

Yours sincerely,

H. J. Dunster
Deputy Division Head

cc. Mr. F. I. Harley

RP 15/4/2

2529

12/M368/66/Met O 6b.

30th October, 1968

Mr. K. Bryant,
Meteorological Office Met O 6b,
Londen Road,
Bracknell, Berks.

Dear Mr. Bryant,

Meteorological Information - Risley

Thank you for your letter of 10th October, 1968.

I have delayed acknowledgement pending informal acceptance by Risley of your suggested arrangements. This I have now received.

Mr. Dunster is now writing to Mr. Harrower to confirm this formally.

Yours sincerely,

(Miss) Pamela M. Bryant.

SD



UNITED KINGDOM ATOMIC ENERGY AUTHORITY

REACTOR MATERIALS LABORATORY,

Wigshaw Lane, Culcheth,
Warrington,
Lancs.

Telegrams: "ATEN" CULCHETH, WARRINGTON.

CULCHETH 3031

Your Ref. RP 15/4/2

Our Ref.

Ext.

23rd October, 1968.

Miss P. M. Bryant,
A.H.S.B.,
U.K.A.E.A.,
Radiological Protection Division,
B10.28,
Harwell,
Didcot,
Berks.

Dear Miss Bryant,

The arrangements made, as nominated in your recent letter are quite satisfactory for our requirements, and the formal arrangements can now be completed as you suggest.

Yours sincerely,

A. E. Shaw
H.P. & S.

RP 15/W/2

2529

15th October, 1968

Mr. A. E. Shaw,
U.K.A.E.A. Reactor Group,
Health Physics and Safety Section,
Building SA16,
Risley, Warrington, Lancs.

Dear Mr. Shaw,

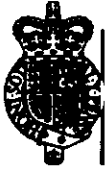
Meteorological Information - Risley

Thank you for Mr. Hughes' letter, written in September 1968, giving details of your requirements for local emergency arrangements with Barton Hall. I discussed these with Mr. Bryant of the Met. Office and I think his letter to me (copy enclosed) covers them.

I hope that these arrangements are acceptable to you and to your management. I should be glad if you would let me know, as soon as possible, if this is so. A formal notification of the deletion of Risley from Appendices I and II of the Agreement would then be sent to Mr. F. I. Hurley.

Yours sincerely,

(Miss) Pamela M. Bryant.



METEOROLOGICAL OFFICE Met 0 6b

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex 84160)

Telephone: Bracknell 20242, ext.

Please address any reply to
THE DIRECTOR-GENERAL

and quote: AP/M368/66/Met Q 6b
Your reference: RP/5/4/2

10th October 1968

Dear Miss Bryant,

METEOROLOGICAL INFORMATION - RISLEY

Thank you for your letter of 10 September last regarding the supply of meteorological information to Risley.

We have given further consideration to the problem of leaving Risley, in the new agreement. But, as we (Bryant/Bryant) discussed last week, we feel that as Risley will no longer be providing the satisfactory wind information, which was the "mutual" basis of the new agreement, they should be deleted from the agreement.

However we wish to assist Risley as much as possible during any emergency and the S Met 0 Preston has stated that the Main Meteorological Office, Preston, will provide Risley with forecasts of wind at the surface and 1500 ft, b. stability category and c. the possibility of precipitation for South Lancashire for 3 to 6 hours ahead, on request.

The request (by telephone) for forecast information should be made by a member of the Health Safety staff at Risley, who should introduce himself to the senior duty forecaster and state that the information is required for an emergency. As the forecast will take some minutes to prepare, the best arrangement would be for the Main Met Office, Preston, to call back to Risley when the information is ready.

There is no objection to communication exercises between Risley and the Main Met Office Preston provided that this only entails a very brief reply by the senior duty forecaster.

All forecasts issued to Risley will be charged for in accordance with the current Meteorological Office regulations.

I trust that the above arrangements will be acceptable to you but do not hesitate to inform me if any points have been overlooked.

I am copying this letter for information to S Met 0 Preston, and I hope that any details requiring attention can be settled direct between the Manager Risley and S Met 0 Preston.

Yours sincerely,

K. BRYANT

Miss P. M. Bryant
Radiological Protection Division
Authority Health and Safety Branch
United Kingdom Atomic Energy Authority
Harwell
Didcot
Berks.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY



REACTOR GROUP

Health Physics & Safety Section,
Risley, Warrington, Lancs. Building 8A16

TELEX: 62-301 ATOM, RISLEY.

WARRINGTON 31244

Telegrams: 'ATEN' WARRINGTON TELEX

Ext. 2904

Your Ref. RP.15/4/2

Our Ref. HP&S.346

21 27^E September, 1968

Miss P. M. Bryant,
U.K.A.E.A.,
A.H.S.B.,
R.P.D.,
Harwell,
Didcot,
Berks.

Dear Miss Bryant,

Meteorological Information - Risley

Further to our telephone conversation of yesterday, we would be grateful if you could formalise and confirm with the Met. Office our local emergency arrangements with Barton Hall. In the event of a site release at Risley/Culcheth these are,

1. We ring either Broughton (Preston) 2671 or 2672 and ask for the Senior Forecaster or his deputy.
2. Introduce ourselves as "Risley Atomic Energy Authority - site emergency please supply us with a six hour forecast". We then expect to be told the following,
 - (a) Six hour forecast of wind speed (metres per second) and direction for this immediate area (we appreciate that this will be the general flow at about 1500 feet).
 - (b) Stability category.
 - (c) Height of inversion (metres).
 - (d) Forecast precipitation.

In order to maintain the arrangements, we would like to keep in touch with Broughton Hall by means of the contact and communication exercises outlined in Paras. 3.1 and 3.2 of the main agreement.

You have of course already covered all these points in your letter to K. Bryant (RP.15/4/2 of the 10th September). If we are not to go in the general agreement we would like formal agreement from him for these local arrangements. Thank you for your help.

Yours sincerely,

G. W. HUGHES

for Manager, Health Physics and Safety Section,
RISLEY

RP 15/4/2
AR/M 700/67

2529

30th September, 1968

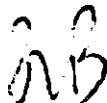
Mr. D. W. Rhead,
Meteorological Office Met 0 6,
London Road,
Bracknell, Berks.

Dear Mr. Rhead,

Wind records at Atomic Energy sites

... I enclose the completed wind record forms from our establishments as promised in my letter of 23rd August, 1968.

Yours sincerely,



(Miss) Pamela M. Bryant.

Name of Atomic Energy Site with Lat. and Long.	<p>CAPENHUAST</p> <p>53° 15 1/2' N 2° 57' W</p>
Associated 24 hr Meteorological Office	<p>PRESTON (LANCE)</p>
<p>Low MAX LEVEL</p> <p>How many sets of dials are there recording wind speed and direction?</p>	<p>Two</p>
Location of each set of dials	<p>1 HEALTH PHYSICS BUILDING (40) - FEN RECORDS</p> <p>2 BUILDING 267 - INDICATING DIALS ONLY (NOT RECORDING)</p> <p>3</p> <p>4</p>
From which set of dials are readings given to your 24 hr Met. Office?	<p>BUILDING 40.</p>
<p>LOW LEVEL</p> <p>How many sets of dials are there recording wind speed and direction?</p>	<p><i>(This section is crossed out with a diagonal line)</i></p>
Location of each set of dials	<p>1</p> <p>2</p> <p>3</p> <p>4</p>
From which set of dials are readings given to your 24 hr Met. Office?	<p><i>(This section is crossed out with a diagonal line)</i></p>

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

RECORDERS ARE CURRENTLY SUBJECT TO OCCASIONAL CHECKS; RECORDERS ARE RESET IF ERRORS OBSERVED.

Any additional information should be entered below.

Name of Atomic Energy Site with Lat. and Long.	A.W.R.E. Aldermaston, Reading, Berks. 51° 22' 00" N Lat. 01° 08' 51" W Long. The instrument is at 51° 21' 56" N Lat. 01° 09' 10" W Lon
Associated 24 hr Meteorological Office	RAF Upavon
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	High Level not applicable
Location of each set of dials	1 2 3 4
From which set of dials are readings given to your 24 hr Met. Office?	
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	1 Recorder 2 sets of dials
Location of each set of dials	1 Recorder - Room 117 Building A6.1 (310yds to instrument) 2 Dials - Room 123 Building A6.1 (48 ft. from (1)) 3 Dials - Room 1 Building F1.1 (1920yd from (1)) 4 Loop resistance <50ohms.
From which set of dials are readings given to your 24 hr Met. Office?	Initially from (3) above. Later from (2) above, checked by reference to (1).

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

Inform Maintenance Section immediately so that equipment can be recalibrated. The defect is noted in HPB operations log.

Any additional information should be entered below.

1. Checks are weekly.
2. An error of about 20° in direction has been observed once.



UNITED KINGDOM ATOMIC ENERGY AUTHORITY
HPASS Building 8A/116.
REACTOR GROUP

Risley, Warrington, Lancs.

TELEX: 62-301 ATOM, RISLEY.

WARRINGTON 31244

Telegrams: 'ATEN' WARRINGTON TELEX

Ext. 2904.

Your Ref.

Our Ref.

RP/15/4/2.

Dear Miss Bryant.

Please find attached
completed forms re wind release at
Atomic Energy sites.

Yours sincerely,

G. W. Hughes.

Name of Atomic Energy Site with Lat. and Long.	RISLEY LANCS. 53° 25' 2° 33' W.
Associated 24 hr Meteorological Office	BARTON HALL PRESTON.
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	ONE
Location of each set of dials	1 SITE CONTROL BUILDING 8A/16 RISLEY. 2 3 4
From which set of dials are readings given to your 24 hr Met. Office?	Readings not acceptable to met office - non standard site. met office letter AF/M368/66/met 068 and AFAS 346 of 5/7/68 refer.
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	N/A
Location of each set of dials	1 2 3 4 N/A
From which set of dials are readings given to your 24 hr Met. Office?	N/A.

What action is taken
when errors are
noticed on the daily
checks of the wind
dials and recorders?

N/A

Any additional information should be entered below.

The orientation of the anemometer head has
been checked by an Authority Surveyor as
a result of this letter.

f. w. Hughes
2/19/68.

UNITED KINGDOM ATOMIC ENERGY AUTHORITY

PRODUCTION GROUP



YOUR REF.

OUR REF.

HL/NS

WINDSCALE & CALDER WORKS,
SELLAFIELD,
SEASCALE · CUMBERLAND
TELEGRAMS: "ATEN, CALDERBRIDGE.
TELEX: 6437 ATOM. WINDSCALE.
TELEPHONE: SEASCALE 333-4-5 EXT.

10th September, 1968.

Dear Pam,

As requested in your letter of 28th August, I enclose details of the windspeed and direction recorders at Windscale.

Yours sincerely,

H. LONGLEY
Health and Safety Department.

Miss P. M. Bryant,
Radiological Protection Division,
Authority Health and Safety Branch,
U.K.A.E.A.,
Harwell,
DIDCOT
Berks.

Name of Atomic Energy Site with Lat. and Long.	Windscale and Calder Works
Associated 24 hr Meteorological Office	PRESTON, Lancashire.
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	One R.W. Munro Chart recorder Two Sets of Dials
Location of each set of dials	1 R.W. Munro Chart recorder - Room 28, B.423 2 One set of Dials - Room 28, B.423 3 One set of Dials - Standby Information Room B.2 4
From which set of dials are readings given to your 24 hr Met. Office?	As shown at 1 above
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	One R.W. Munro Chart recorder Two sets of Dials
Location of each set of dials	1 Chart recorder - Room 28, B.423 2 One set of Dials - Room 28, B.423 3 One set of Dials - Standby Information Room B.2 4
From which set of dials are readings given to your 24 hr Met. Office?	As shown at 1 above

P.T.O.

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

Checks are made normally on each working day Monday to Friday, any errors are reported to maintenance group and corrected as soon as possible.

Any additional information should be entered below.

On observation of errors, where possible the data is suitably amended before reporting to Met. Office, otherwise no data is reported, with an appropriate comment.

Orientation checks are normally carried out annually when the Met. Office carry out their formal check.



U K A E A

ATOMIC ENERGY RESEARCH ESTABLISHMENT,
Health Physics & Medical Division, Building 364,
HARWELL,

DIDCOT, BERKS.

Your reference: RD 15/4/2
Our reference: HA/315/01

telegrams: ATEN, ABINGDON telex: 83135
telephone: ABINGDON 4141 EXT. 4280

30th August, 1968.

Miss P. M. Bryant,
Radiological Protection Division,
Building 10.28,
A.E.R.E. Harwell,
Berks.

Dear Miss Bryant,

Wind records at atomic energy sites

I enclose completed, two copies of the forms you
sent with your letter dated 23rd August, 1968.

Yours sincerely,

N. G. Stewart

Name of Atomic Energy Site with Lat. and Long.	ATOMIC ENERGY RESEARCH ESTABLISHMENT, HARWELL, BERKS. LAT. 51° 35' N, LONG. 1° 19' W
Associated 24 hr Meteorological Office	UPAVON, WILTS.
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	THREE
Location of each set of dials	<ol style="list-style-type: none"> 1 BUILDING 4 (DIALS AND RECORDER) 2 HANGAR 10 (DIALS ONLY) 3 BUILDING 220 (DIALS ONLY) 4
From which set of dials are readings given to your 24 hr Met. Office?	BUILDING 4
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	FOUR
Location of each set of dials	<ol style="list-style-type: none"> 1 BUILDING 4 (DIALS AND RECORDER) 2 BUILDING 445 (DIALS ONLY) 3 BUILDING 775 (DIALS ONLY) 4
From which set of dials are readings given to your 24 hr Met. Office?	BUILDING 4

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

THE RECORDERS INSTALLED IN BUILDING 1 ARE CHECKED DAILY AND ANY OBVIOUS ERRORS ARE RECTIFIED WITH A MINIMUM OF DELAY. THE DIALS ARE CHECKED MONTHLY AND FAULTS ARE REMEDIED AT ONCE.

Any additional information should be entered below.

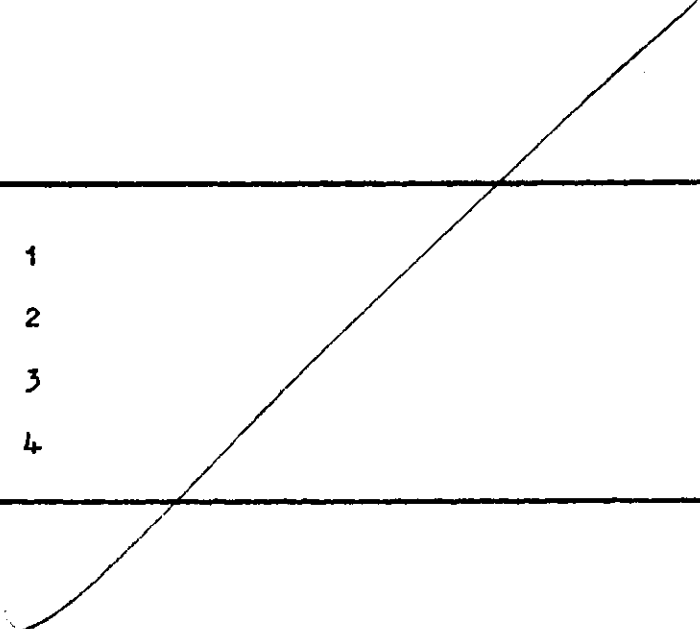
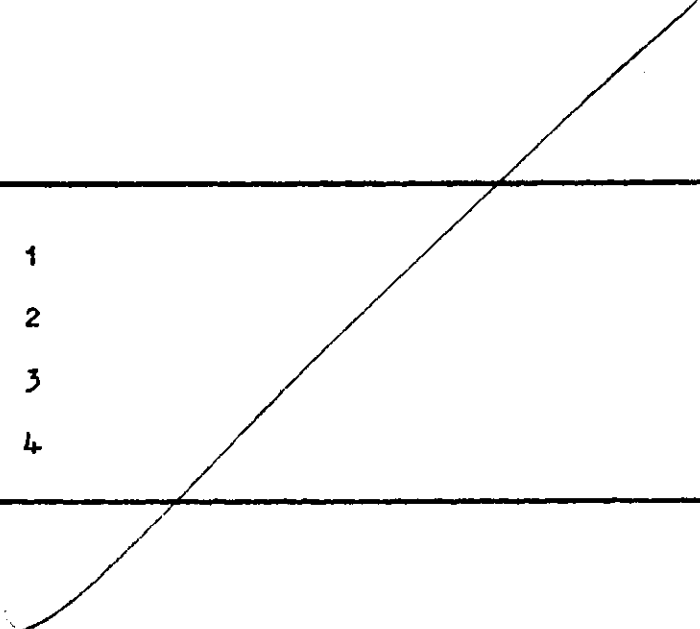
The data sent to the Meteorological Office for analysis were obtained from the recorder charts for the high level and the low level anemometers. The recorder charts were also sent to the Meteorological Office.

Name of Atomic Energy Site with Lat. and Long.	The Radiochemical Centre, Amersham 51°40N 0°34.5W
Associated 24 hr Meteorological Office	Upavon
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	None
Location of each set of dials	1 2 3 4
From which set of dials are readings given to your 24 hr Met. Office?	-
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	None (dials) One 2-pen recorder (wind direction & velocity)
Location of each set of dials	1 Not known by writer of hand-written entries (PM Bryant) 2 / 3 / 4 /
From which set of dials are readings given to your 24 hr Met. Office?	From the recorder trace

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

A rough check of direction is carried out weekly (approx). If necessary, adjustments are made on the spot.

Any additional information should be entered below.

Name of Atomic Energy Site with Lat. and Long.	CHAPELCROSS WORKS LAT: 55° 1' / N LONG 3° 33½' / W
Associated 24 hr Meteorological Office	PRESTWICK
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	
Location of each set of dials	1 2 3 4
From which set of dials are readings given to your 24 hr Met. Office?	
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	THREE
Location of each set of dials	1 DISTRICT SURVEY ROOM, LABORATORY BLDG. 2 SITE MONITORING LAB, TURBINE HALL BLDG 3 SHIFT MANAGERS OFFICE, TURBINE HALL BLDG. 4
From which set of dials are readings given to your 24 hr Met. Office?	ANALYSIS OF ANEMOGRAPH RECORDS FROM LOCATION I.

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

SMALL ERRORS REPORTED TO SITE
INSTRUMENT MAINTENANCE DEPT.
MAJOR FAULTS REPORTED TO
MR EMPYAGE
MET: OFFICE SERVICE DEPT
GLASGOW.

Any additional information should be entered below.


Name of Atomic Energy Site with Lat. and Long.	D.E.R.E. DOWNREAY, THURSO, CAITHNESS LAT. 58° 35' N. LONG. 3° 44' W
Associated 24 hr Meteorological Office	PITREAVIE, DUNFERMLINE, FIFE BUT * MONTHLY WIND DATA SENT TO M.O. EDINBURGH.
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	ONE SET OF DIALS, ONE RECORDER
Location of each set of dials	1 CONTROL ROOM (DIALS AND RECORDER) 2 3 4
From which set of dials are readings given to your (24 hr Met. Office?) see above	RECORDER CHART.
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	ONE SET OF DIALS, ONE RECORDER.
Location of each set of dials	1 CONTROL ROOM (DIALS AND RECORDER) 2 3 4
From which set of dials are readings given to your (24 hr Met. Office?) see above	RECORDER CHART.

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

DAILY CHECK EXCEPT AT WEEKENDS AND PUBLIC HOLIDAYS. INSTRUMENT SECTION ARE REQUESTED TO RECTIFY ERROR CHART MARKED AS DEFECTIVE UNTIL FAULT CORRECTED.

Any additional information should be entered below.

GK Sykes
2/9/68.

Name of Atomic Energy Site with Lat. and Long.	Atomic Energy Establishment, Winfrith. 50° 40½' N, 2° 15' W
Associated 24 hr Meteorological Office	Upaven
<u>HIGH LEVEL</u> How many sets of dials are there recording wind speed and direction?	None
Location of each set of dials	1 2 3 4
From which set of dials are readings given to your 24 hr Met. Office?	
<u>LOW LEVEL</u> How many sets of dials are there recording wind speed and direction?	One set of dials One recorder
Location of each set of dials	1 (Dials) Site Control Centre 2 (Recorder) Health Physics Building 3 4
From which set of dials are readings given to your 24 hr Met. Office?	All data sent to Met. Office in the past has been derived from recorder. This would also be used in event of emergency.

What action is taken when errors are noticed on the daily checks of the wind dials and recorders?

A daily check is now made to establish whether there is a gross error on the recorder. If such an error is noticed, our instrument section is asked to rectify it. Such checks have not been made systematically in the past, only occasional checks having been made.

Any additional information should be entered below.

AF 1368/66

HP 15/4/2

2529

10th September, 1968

Mr. K. Bryant,
Meteorological Office (Met O 6b),
London Road,
Bracknell, Berkshire

Dear Mr. Bryant,

Meteorological Information - Risley

Thank you for your letter of 5th September, 1968.

We should prefer not to delete Risley from Appendix I of the agreement between the UKAEA and the Met. Office as we think it desirable to maintain this formal link as well as the local link between Risley and Preston Met. Office. Risley still require the arrangements in paras. 3.1 and 3.3, and most of those in 3.7, i.e. they would not supply the Met. Office with the anemometer reading at the time of a release (due to the known unreliability of the reading), but they would require forecasts as specified in the last three sentences of para. 3.7. Discussion with Preston Met. Office on the forecast items described in general terms in para. 3.7 would clarify requirements in advance of the need for them and so cover the point in your third paragraph.

We should be glad if you would reconsider the question of deleting Risley from the general agreement.

Yours sincerely,

(Miss) Pamela K. Bryant.

c.c. Mr. G. W. Hughes, Risley (for information).
Harwell C file.



METEOROLOGICAL OFFICE Met 0 6b

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex 84160)

Telephone: Bracknell 20242, ext. 330

Please address any reply to
THE DIRECTOR-GENERAL
and quote: AF/1368/66
Your reference: RP15/4/2

5th September 1968

Dear Miss Bryant,

METEOROLOGICAL INFORMATION - RISLEY

Thank you for your letter of the 6th August 1968 regarding the decision about the anemometer at Risley.

Whilst we do not agree with your comment regarding the "small improvement in accuracy such a change would make" we can well appreciate that there are many operational reasons why the Risley staff decided that such an expense could not be justified.

S Met 0 Preston has informed us that he will be pleased to supply general forecasts to Risley, in the event of an emergency, but emphasizes that the enquirer must specify the forecast items required. He also says that the Main Meteorological Office, Preston, will not require any wind readings from the Risley anemometer as sited at present.

In view of the decision by the Risley staff and the comments above will you please confirm that Risley can now be deleted from Appendix I of the agreement between the UKAEA and the Met. Office.

Yours sincerely,

(K. BRYANT)

Miss P. M. Bryant
Radiological Protection Division
Authority Health and Safety Branch
United Kingdom Atomic Energy Authority
Harwell
Didcot
Berks.

28th August 1968

Dear

Wind records at Atomic Energy Sites

Subsequent to my letter of 23rd August 1968 enclosing forms requesting information required by the Meteorological Office, it has become apparent that some explanation of the questions might assist you in your reply.

In the course of investigations at non-Authority establishments, the Met. Office discovered that there were sometimes two or more sets of dials and recorders, e.g. one "master" set near the anemometer and a "slave" set in the control room. At times two sets of dials differed in their readings by as much as 40°. In addition, data transmitted to the Met. Office was sometimes read from dials but more usually from the recorder trace, although even then the data did not always agree with the trace when subsequent checks were made. It is to try to sort out such anomalies during examination of wind data that the Met. Office is asking for information.

Where the questions specify "dials", information on dials and recorders is required. In respect of the final question, if your establishment does not carry out daily checks, how often are the checks carried out, e.g. occasionally, monthly? Do you then just make a note of it or call the maintenance men in to rectify it?

The Met. Office, who have started examination of wind data sent in by Authority establishments, would be grateful for any relevant information.

Yours sincerely,

To: Dr. S. M. B. Hill
Dr. J. H. Martin
Mr. J. W. Kennedy
Mr. H. Howells
Mr. S. C. Wilson
Mr. C. R. Newbery
Mr. N. C. Stewart
Mr. R. Pilgrim
Mr. C. H. Palmer

Pamela M. Bryant

Mr. S. J. Dagg
Mr. I. R. G. [unclear]) for information

RP 15/4/2

2529

23rd August 1968

Dear

Wind records at Atomic Energy sites

I have been asked by the Meteorological Office to obtain details about the dials recording windspeed and direction at your establishment, as laid out on the attached form. This information is expected to help eliminate inconsistencies from wind records.

I enclose three copies of the form, one of which is for your retention. I should be grateful if you would complete and return the other two copies to me.

Yours sincerely,

Pamela M. Bryant (Miss)

To: Dr. S. M. B. Hill
Dr. J. H. Martin
Mr. J. W. Kennedy
Mr. H. Howells
Mr. S. G. Wilson
Mr. G. R. Newbery
Mr. N. G. Stewart
Mr. R. Pilgrim
Mr. G. H. Palmer

Mr. S. J. Dagg
Mr. L. D. G. Richings } for information

RP 15/4/2
AF/MI700
/67

2529

23rd August 1968

Mr. D. W. Rhead,
Meteorological Office Met 0 6,
London Road,
Bracknell,
Berks.

Dear Mr. Rhead,

Wind records at Atomic Energy sites

Thank you for your letter of 22nd August
and the enclosed forms.

I have requested our establishments to
complete the forms and return them to me.
I will send them to you in due course.

Yours sincerely,

Pamela M. Bryant (Miss)



METEOROLOGICAL OFFICE Met 0 6

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex: 84160)

Telephone: Bracknell 20242, ext. 321

93-03
44

Please address any reply to

THE DIRECTOR-GENERAL

and quote: AF/ML700/67

Your reference:

22 August 1968

Dear Miss Bryant,

Wind Records at Atomic Energy Sites

In order to help eliminate inconsistencies from wind records at Atomic Energy Sites, would you please ask each of your stations listed below to give details about the dial recording wind speed and direction on the attached form. Allowing one copy for retention at each station, one copy which you may like to retain yourselves and one copy to be sent on to us, 3 copies of the form are enclosed for each station.

Aldermaston

Amersham

Harwell

Winfrith

Capenhurst

Risley

Windscale

Chapelcross

Dounreay

Yours sincerely,

D. W. Rhead

Miss P. Bryant

United Kingdom Atomic Energy Authority

Authority Health & Safety Branch

Radiological Protection Division

Harwell

Didcot

Berks

0208173



UNITED KINGDOM ATOMIC ENERGY AUTHORITY

REACTOR GROUP

RP 15/4/2

Dounreay Experimental Reactor Establishment,

Thurso, Caithness, Scotland.

TELEGRAMS: ATEN, REAY, THURSO

TELEX: 7597 ATOM DOUNREAY

THURSO 2121

Ext. 461

Your Ref.

Our Ref. ~~RP 15/4/2~~

9th July, 1968.

Mr. H. J. Dunster,
R.P.D.,
Harwell.

Dear *John,*

Reading your memo. RP 2/43 relating to the Third Annual Health Physics Society Mid Year Symposium on Operational Monitoring it occurs to me that the monitoring of vacuum cleaner dust might have some bearing on the subject.

I enclose a copy of a note I asked Barry Holliday to prepare on the subject some time ago as this might be relevant to your requirements. The information did prove relevant to the discussions with the Factory Inspector on delineation of active areas and the declaration of some areas as inactive up to the faces of glove boxes.

In addition, we have recently mounted a programme of nose-blow samples at the end of each shift from operators in D1203 following static air sampler evidence of a hazard, not fully supported by personal air sampler results. The results have been revealing and elicit a better response from the operating management than conventional air sampling figures. If you are interested I will get Barry to describe the position for you.

Regarding the Agreement between the U.K.A.E.A. and the Meteorological Office, I have initiated a visit by a Meteorological Officer as recommended. (See enclosed letter). What surprises me is the cost of such a visit, e.g. in the case of Dounreay the minimum time involved including travelling will be two days at a cost of approximately £100 including travelling expenses and subsistence - see enclosed letter.

Finally, regarding the proposed extra mural contract between Dounreay and Imperial College I look forward to an answer to my last letter to you. Dr. Broadley has stated that he has no intention of sending any Pu to Imperial College unless he can be fully assured that no liability will devolve upon Dounreay.

Yours sincerely,

(J. Brown)
Manager,
Health & Safety Division

File 2
File 2

HP02 346
RP 15/4/2

2529

7th August, 1968

Mr. G. W. Hughes,
U.K.A.E.A.,
Reactor Group,
Risley, Warrington, Lancs.

Dear Mr. Hughes,

Siting of Anemometer, Risley

Thank you for your letter of 31st July, 1968.

... I enclose a copy of my letter to Rhead and notes of a telephone conversation with Bryant of the same department. You will see that the Met. Office is prepared to accept your decision to leave the anemometer where it is.

I will let you know the content of the written reply when it comes, probably in September.

Yours sincerely,

PMB

Pamela M. Bryant.

NOTE FOR FILE RP 15/4/2

Telephone conversation with Mr. K. Bryant of Met. O 6b on 7th August, 1968

Subject: Analysis of wind data - reply to my letter of 6th August, 1968

Mr. Bryant rang to say that his phrase "when the wind data proves acceptable" meant when the search of past records revealed acceptable data, not when future data proved acceptable. I admitted that my interpretation had been the latter one. He said that data from several establishments are currently being examined and promised to let me know the outcome.

Regarding the siting of the Risley anemometer (my letter to Rhead of 6th August, 1968), Mr. Bryant said they would accept the decision not to move it to a better position, although the present position could lead to errors of 40° and 15 knots with the wind in certain directions. In such a circumstance he thought it better to ignore the anemometer reading altogether and use data on the general flow at 1000 ft. if there was a release. (Written reply following in due course).

Generalising, Mr. Bryant said that the best forecast for the first 8 miles was obtainable from data on the surface or 30 ft. wind, i.e. using the anemometer data if the instrument was correctly sited. If not, the general flow at 1000 ft. was the next best indicator. It was usually too confusing to try to combine information from a badly sited anemometer (giving wrong answers in certain directions) with information on the general flow.

Mr. Bryant suggested that a round table discussion between himself, ourselves and representatives of our establishments might benefit all by clearing the air and allowing a fresh start. I agreed.

PMB

Pamela M. Bryant.

7th August, 1968

AE/M368/66/Met O Gb
RP 15/1/2

2529

6th August, 1968

Mr. D. W. Rhead,
Meteorological Office (Met O Gb),
London Road,
Bracknell, Berkshire

Dear Mr. Rhead,

Siting of Anemometer - Risley

Thank you for your letter of 17th May, 1968, and the map attached. I duly forwarded the copies to Mr. G. W. Hughes at Risley and I have now received his reply.

Staff at Risley have considered your recommendation of a 33 foot lattice in a new position and have decided that they cannot recommend to the Reactor Group Management that funds be allocated for this purpose. Their reasons are the low probability of a significant discharge from the site and the small improvement in accuracy that such a change would make.

While they appreciate that as a result of this positioning, you may not be able to take any further interest in their wind data, they would still like access in the unlikely event of an emergency to a 6-hour forecast for South Lancashire as agreed with Mr. Holgate at Barton Hall,

Would you wish to continue receiving wind data in spite of the non-standard site of the anemometer?

I cannot disagree with the Risley decision and hope that you will find it acceptable in the event.

Yours sincerely,

(Miss) Pamela M. Bryant.

AF/M368/66 Met O 6b
RP 15/4/2

2529

6th August, 1968

Mr. K. Bryant,
Meteorological Office (Met O 6b),
London Road,
Bracknell, Berkshire

Dear Mr. Bryant,

Micro-meteorology at UKAEA Sites

Thank you for your letter of 26th July.

We are pleased to hear that you have begun the analysis of records for Harwell and intend to start on that for Windscale when the Harwell study is complete.

We are not entirely happy, however, regarding your proposal to deal with the other establishments "when the wind data proves acceptable." As far as we are aware, the data for Chapelcross since May 1963 are not suspect in any way, and the data for Downreay for 1963 and 1964 are acceptable subject to a known correction (Mr. Dunster's letter to Mr. Jacobs, dated 21st September, 1966). We, therefore, wish to reiterate our request for analyses for these two establishments.

With regard to Amsersham, Mr. Jacobs said he could not be sure of the accuracy of the records for 1964 and 1965 (letter to Mr. Dunster dated 31st October, 1966). During a recent discussion, however, Mr. G. Dancer of Amsersham understood that your Mr. N.C. Helliwell felt that there were enough data for analysis. (These data could, in fact, be for years other than the two specified above). We should be grateful if you would look into this and add Amsersham to the waiting list if at all possible.

Yours sincerely,

(Miss) Pamela M. Bryant.

W/ind data

Summary at 5 Aug 1468

Amersham

In areas
with data

Sacks said data not satisfactory

Hallwile (Met. 0) told Dancer that 5 years
data was probably OK.

Chapelcross

Reporting data

No reply from Met. 0. - no snags
as far as is known.

Dunmear

Not reporting
full data
(if any)

No reply from Met. 0. - data should
be OK subject to known corrections

Hawell

Not reporting
data

Being analysed by Met. 0. (K Bryant)

Windcave

Reporting data

Will be analysed by Met. 0. when Hawell
analysis complete (K Bryant)

~~Dunmear~~
Winfirth

Not reporting
data

No reply from Met. 0.

Doubt regarding acceptability of data

UNITED KINGDOM ATOMIC ENERGY AUTHORITY



REACTOR GROUP

Risley, Warrington, Lancs.

TELEX: 62-201 ATOM, RISLEY.

WARRINGTON 31244

Telegrams: 'ATEN' WARRINGTON TELEX

Ext. 2904

Your Ref.

Our Ref. HP&S346

31st July, 1968.

Miss P. Bryant,
U.K.A.E.A.,
A.H.S.B.,
R.P.D.,
HARWELL, Didcot,
Berks.

Dear Miss Bryant,

Siting of Anemometer, Risley

We have considered Mr. Rhead's recommendation (as letter to you of 17th May, as reference AF/M368/66Met06b) that the Risley Anemometer should be sited on a 33 foot lattice in a new position.

Bearing in mind the low probability of a significant discharge from this site and the small improvement in accuracy such a change would make we cannot recommend to the Reactor Group Management that funds be allocated for this purpose.

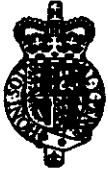
While we appreciate the Met. Office as a result of this design may not be able to take any further interest in our wind ratings, in the event of emergency we should still like access to a six hour forecast for south Lancashire as agreed with Mr. Holgate at Barton Hall.

I would be grateful if you could inform Rhead of our decision as we agreed.

Yours sincerely,

G. W. HUGHES
for Manager, Health Physics and
Safety Section

GEZ



METEOROLOGICAL OFFICE Met 0 6b

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex 84160)

Telephone: Bracknell 20242, ext. 330

Please address any reply to
THE DIRECTOR-GENERAL

and quote: AF/M368/66/Met 0 6b

Your reference: RH5/4/2

26th July 1968

Dear Miss Bryant,

MICROMETEOROLOGY AT UKAEA SITES

Please refer to your letter reference RH5/4/2 dated 10th April 1968 regarding the priorities for micrometeorological surveys at UKAEA establishments.

Analysis of the records for Harwell for the years 1959 and 1960 is now in progress and we hope to be able to provide a preliminary report in about 2 months time.

We then intend to complete the work on Harwell and commence the analysis for Windscale as soon as possible and will deal with the other establishments subsequently when the wind data proves acceptable.

I regret the delay in replying to your letter but hope that the above arrangements meet with your approval.

Yours sincerely,

(K. BRYANT)

Miss P.M. Bryant
United Kingdom Atomic Energy Authority
Health and Safety Branch
Radiological Protection Division
Harwell
Didcot
Berks

cc. Mr. J. Langley
Mr. J. E. M. Johnston

GEZ



METEOROLOGICAL OFFICE

Met 0 6b

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex 84160)

Telephone: Bracknell 20242, ext. 330

Please address any reply to

THE DIRECTOR-GENERAL

and quote: AF/M368/66/Met 0 6b

Your reference: K...

17 May 1968

Dear Miss Bryant,

SITING OF ANEMOMETER - RISLEY

With further reference to telecon Miss P. Bryant/Bryant of 20th March 1968, we now have an inspection report regarding this site. This confirms our earlier impression that the present site is non-standard and that it would be highly desirable to move this instrument to a more open situation further away from the main obstructions. We therefore recommend strongly that the instrument is moved from its present position at I on the attached map to a new position at II selected by our inspector, if it is at all possible. A normal lattice tower of 33 ft. would provide a reasonable exposure.

Would you please take this question up with Risley and let us know the outcome.

Yours sincerely,

(D. W. RHEAD)

Miss P. Bryant
United Kingdom Atomic Energy Authority
Authority Health and Safety Branch
Radiological Protection Division
Harwell
Didcot
Berks

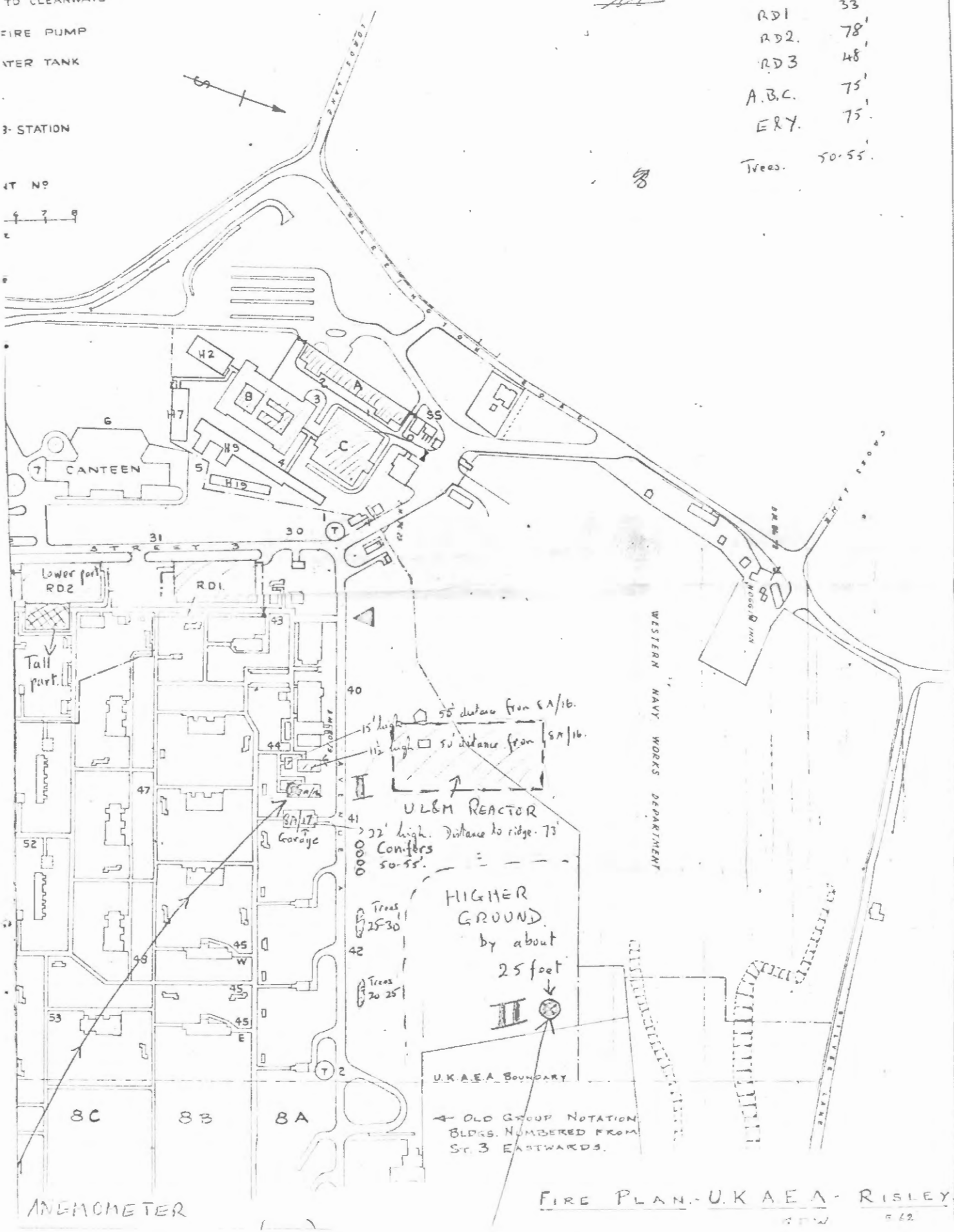
Encl.

21 5 68

11/19/51

- PILLAR
- TO CLEANWAYS
- FIRE PUMP
- WATER TANK
- 3-STATION
- IT NO

ULBM	32' 6"	1 2'
RD1	33'	
RD2	78'	
RD3	48'	
A.B.C.	75'	
ERY.	75'	
Trees.	50-55'	



ANEMOMETER

FIRE PLAN - U.K.A.E.A. - RISLEY

5/52

RP 5/4/2

2529

10th April, 1968

Mr. A. Bryant,
Met. O G,
Meteorological Office,
London Road,
Bracknell, Berks.

Dear Mr. Bryant,

micrometeorology at U.K.M.S.A. sites

In 1966, when it was agreed that an analysis of the micrometeorology at U.K.M.S.A. sites could be made on the basis of only 2 years' data, we conducted a survey of our establishments to discover whether reliable wind data were believed to have been supplied for the appropriate length of time. The position was summarised in Mr. Dunster's letter of 21st September, 1966, to Mr. Jacobs. In this, we requested analysis of the data for 6 establishments.

In Mr. Jacobs' reply of 31st October, 1966, he said that on inspection of the records for Amersham he could not after all be sure of their accuracy for the years we listed (1964 and 1965). He promised to comment on the remaining establishments in due course but we have had no further communication on this subject.

I have been asked by Harwell and Windscale as to the position regarding the provision of micrometeorological reports for their sites. In the case of Harwell, your office (letter from Mr. Jacobs dated 3rd November, 1965, to Mr. N. G. Stewart) has accepted that the tabulations for the period January 1959 to June 1962 are reasonably complete, although certain reservations for 1961 led us to select 1959 and 1960 as the best two-year period for analysis. Contrary to the Harwell paragraph in Mr. Dunster's letter of 21st September, the position regarding the third anemometer is not unresolved; it was dealt with in Mr. Stewart's letter dated 24th April, 1962, to Mr. Jacobs.

Windscale have returned data to your office over a considerable period of time, but the years 1963 and 1964 appeared to be the most reliable.

I should be grateful, therefore, if you would give priority in your analyses to these two establishments, and deal with the rest subsequently.

Yours sincerely,

23

Miss Pamela A. Bryant.

HA/551/C1.
RF.15/4/2.

Mr. A. C. Dunster,
Radiological Protection Division,
Building 10.25.

Agreement with Meteorological Office

According to section 3.5 of the agreement with the Meteorological Office "tabulations should be continued to enable at least two years satisfactory records to be obtained, so that the Meteorological Office can report on the micrometeorological factors of the site".

In past years Health Physics and Medical Division, AERE, have supplied tabulations to the Meteorological Office for the two anemometers at Harwell. The Meteorological Office have accepted the tabulations for the period January, 1959 to June, 1962 as reasonably complete but we have not had a report on the micrometeorological factors of the site. If we wish to have such a report do we have to ask the Meteorological Office for it, and if so, do we have to pay for it?

JEJ

C. E. Johnston

Health Physics and Medical Division,
B.364

Ext: 4604

26th March, 1960

/JE.

Program - probably with the
new management
will you suggest anyone there - let's see T my



Director's Office 25th March 1968

RP 1542

Dear Mr. Dunster,

Dr. Grove has asked me to acknowledge your letter of 21st March with which you sent him a copy of the final agreement between the Meteorological Office and the Authority. He is arranging for the necessary actions to be taken here at Amersham.

Yours sincerely,

G. M. Ray

Secretary to Dr. Grove

Mr. H. J. Dunster
Deputy Division Head
AHSB, Radiological Protection Division
AERE, Harwell

RP 15/4/2

3110

21st March 1968

Dr. H. Rogan,
General Manager,
Springfields Works,
Salwick,
Preston, Lanes.

Dear

Although the arrangements with the Meteorological Office for information in the event of an emergency do not now apply to Springfields, I thought you would like to see a copy of the final agreement between the Authority and the Meteorological Office. I have therefore enclosed one and copied this letter with the enclosure to Hugh Morris.

Yours sincerely,

H. J. Dunster



UNITED KINGDOM ATOMIC ENERGY AUTHORITY

AUTHORITY HEALTH AND SAFETY BRANCH

RADIOLOGICAL PROTECTION DIVISION

HARWELL, DIDCOT, BERKS

Your reference:

Our reference:

RP 15/4/2

telephone: ABINGDON 4141 EXT. 3110

telegrams: ATEN, ABINGDON telex: 83135

21st March 1968

Dear

Following my earlier correspondence on the subject of an agreement with the Meteorological Office, I now enclose a copy of the final agreement which has been signed by me on behalf of the Authority and by T. N. S. Harrower on behalf of the Meteorological Office. The changes since the previous version you saw are trivial and mainly consist of the addition of the appropriate Met. Office branches to some of the paragraphs.

As most of the operating responsibilities fall on health and safety departments, I am sending a copy of this letter and an additional copy of the agreement to the Head of your Health and Safety Department.

Yours sincerely,

H. J. Dunster
Deputy Division Head

To:	AWRE	Mr. E. F. Newley	Mr. R. Pilgrim
	AERE	Dr. R. Spence	Mr. N. G. Stewart
	AEE	Mr. D. W. Fry	Mr. G. H. Palmer
	DERE	Mr. R. R. Matthews	Dr. S. M. B. Hill
	RCC	Dr. W. P. Grove	Mr. G. Newbery
	C'hurst	Mr. W. R. A. Taylor	Mr. J. W. Kennedy
	S'fields	Dr. H. Rogan	Mr. D. H. Morris
	REL	Mr. F. I. Hurley	
	Risley		Mr. S. G. Wilson

For information: Mr. S. J. Dagg, CEGB
Mr. L. D. G. Richings, London



METEOROLOGICAL OFFICE

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex: 84160)

Telephone: Bracknell 20242, ext. 330

Please address any reply to

THE DIRECTOR-GENERAL

and quote: AF/M368/66/Met 0 6

Your reference: RP/15/4/2

the
14 March 1968

Dear Mr. Dunster,

Thank you for your letter of 11th March enclosing the retyped and signed copies of the new agreement.

I am enclosing two copies of the agreement signed on behalf of the Meteorological Office, and have retained the other two copies.

We agree with your assumption that it may well be mid April before all the stations concerned are aware of the revised arrangements, and any information required prior to mid April will, most probably, be issued in accordance with the old agreement.

Yours sincerely,

K. Bryant

Mr. H. J. Dunster
United Kingdom Atomic Energy Authority
Authority Health and Safety Branch
Radiological Protection Division
Harwell
Didcot
Berks.

AGREEMENT
BETWEEN ESTABLISHMENTS OF THE UNITED KINGDOM
ATOMIC ENERGY AUTHORITY AND THE METEOROLOGICAL OFFICE
REGARDING METEOROLOGICAL INFORMATION IN THE EVENT
OF AN ACCIDENTAL RELEASE TO ATMOSPHERE

1. Introduction

This agreement summarises the arrangements by which the United Kingdom Atomic Energy Authority (UKAEA) would obtain information from the Meteorological Office to help in planning and executing the monitoring and counter measures following a major release of radioactive or toxic materials to the atmosphere. It replaces the agreement drawn up in 1958 and amended in 1961 (A299619/58/II issued by M.O.14, July 1961). Details of the establishment to which the agreement applies and the main forecasting offices are shown in Appendix I, while details of the anemograph sitings are shown in Appendix II.

2. Requirements

In the event of a substantial accidental release of gaseous or fine particulate radioactive and/or toxic material to the atmosphere, the establishment concerned will need a rapid assessment of the direction and speed of travel of the material. Such information will assist staff at the establishment in executing environmental surveys and/or counter measures which may be urgently necessary to prevent or reduce radiation exposure of members of the public. Indication of the initial direction and speed of the material will be obtained from the anemograph(s) at the establishments; this will be supplemented by knowledge, if available, of local wind peculiarities gained from assessment of tabulated wind data, and by information from a meteorological office on wind direction and speed at the time in the general area surrounding the establishment.

The execution of subsequent monitoring and counter measures will be aided by forecasts, each covering a period of a few hours, indicating the possibility and extent of changes in wind speed and direction near the surface, and also at about 1500 ft above ground level, and of changes in stability and precipitation. A series of such forecasts may be needed during the one or two days following the release.

3. Technical Arrangements

3.1 A Main Meteorological Office is nominated to serve each establishment, as indicated in Appendix I.

3.2 The head of each Health and Safety (or Health Physics) Department will make arrangements for the Senior Meteorological Officer of the associated Main Meteorological Office to pay any necessary visits to the establishment in order to discuss local features with health physics staff.

3.3 Exercises to test the communications between establishments and the nominated Main Meteorological Offices will be initiated by the Head of each Health and Safety Department in agreement with the associated Senior Meteorological Officer.

3.4 Each establishment will ensure that anemographs are correctly orientated and maintained according to the appropriate detailed Meteorological Office Instrument Instructions. If requested, a full inspection will be made annually by the Meteorological Office (Met O 16), Bracknell.

3.5 The Head of each Health and Safety Department will be responsible for deciding whether and for how long to send wind tabulations to the Meteorological Office (Met O 3), Bracknell. If at all possible, these tabulations should be continued to enable at least two years' satisfactory records to be obtained, so that the Meteorological Office can report on the micro-meteorological factors of the site.

3.6 Each establishment will notify the Meteorological Office (Met O 6b), Bracknell, of any changes in anemograph siting, or in building siting or dimensions, where these might affect the anemograph exposure.

3.7 In the event of an accidental release to the atmosphere, health physics staff will so inform the nominated Main Meteorological Office and will supply information on the current anemograph readings. The duty forecaster will thereupon supply information on wind direction and speed at the time, near the surface and at about 1500 ft above ground level, in the general area surrounding the establishment, drawing attention to any local peculiarities of which he is aware. He will also supply forecasts of changes in wind speed and direction, of changes in stability, including the heights of inversions, and of precipitation during the next few hours. These forecasts will continue to be supplied by the Main Meteorological Office, at appropriate intervals, for as long as necessary (probably not more than one or two days).

4. Financial Arrangements

4.1 The Meteorological Office will charge for any services rendered under this agreement, in accordance with its current regulations.

4.2 Under section 3.3 regarding communications exercises, no charge will be made unless forecasts are requested.

4.3 Under section 3.4 regarding the annual (optional) inspection of anemographs by the Meteorological Office, the inspection will be charged to the UKAEA if wind tabulations are not currently sent to the Meteorological Office.

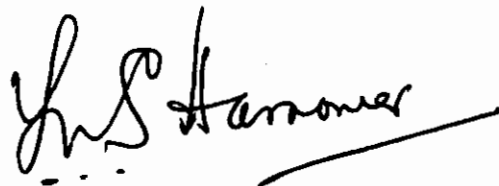
5. Administrative Arrangements

5.1 A.D. Met O (DS), Bracknell, is responsible for co-ordinating all the meteorological arrangements covered by this agreement.



Radiological Protection Division
UKAEA Health and Safety Branch
Harwell, Didcot, Berks.

11th March 1968



Meteorological Office
London Road
Bracknell, Berks

12th March 1968

APPENDIX I

Main Meteorological Offices Serving Establishments

UKAEA Site

Main Meteorological Office

Aldermaston (Berks)
Tel: Tadley 4111
Newbury 1800
Basingstoke 3281

Amersham (Bucks)
Tel: Little Chalfont 2701

Harwell (Berks)
Tel: Abingdon 4141

Winfrith (near Wool, Dorset)
Tel: Dorchester 1700

Upavon (Wilts)
Tel: Upavon 286
Upavon 351
Ext. 283 or 317

Capenhurst (near Chester)
Tel: Hooton 4101

Risley (near Warrington)
Tel: Warrington 31244

Windscale (and Calder Hall)
(near Seascale, Cumberland)
Tel: Seascale 333

Preston (Lancs)
Tel: Preston (Lancs) 52628
Ext. 203 or 204

Chapelcross (near Annan,
Dumfriesshire)
Tel: Annan 2835

Prestwick (Ayrshire)
Tel: Prestwick 77256, Ext. 173
Prestwick 79822, Ext. 195

Dounreay (near Thurso,
Caithness)
Tel: Thurso 2121
Reay 261

Pitreavie (Dunfermline, Fife)
Tel: Inverkeithing 266

APPENDIX II

Anemograph Siting at Establishments

UKAEA Site	Latitude and Longitude	Approximate height of ground at low- level anemograph site above MSL (ft)	Approximate height of anemograph head above ground	
			Low level (ft)	High level (ft)
Aldermaston	51° 22'N; 1° 09'W	340	41	-
Amersham	51° 40'N; 0° 34½'W	450	50	-
Capenhurst	53° 15½'N; 2° 57'W	140	60	-
Chapelcross	55° 01'N; 3° 13½'W	260	50	-
Risley	-	-	30	-
Dounreay	58° 35'N; 3° 45'W	50	30	187
Harwell	51° 35'N; 1° 18'W	400	50	120
Windscale	54° 25'N; 3° 30'W	43	40	440*
Winfrith	50° 40½'N; 2° 15'W	112	50	-

* Ground level 87 ft above MSL.

- 5 -

Telegrams: Metbrack, London. Telex (Telex 84160)

Teleph Bracknell 20242. Ext. 330

Your Reference RP/15/4/2

93 - 0355

We thank you for your letter dated 11th March 1968 which is receiving attention.

K. Bryant

107 5 - 1
12/18/1
2000
ON HER MAJESTY'S SERVICE



United Kingdom Atomic Energy Authority,
Authority Health and Safety Branch,
Radiological Protection Division,
Harwell,
Didcot,
Berkshire.

Meteorological Office,
London Road,
Bracknell, Berks.

Medform 1132

AF/M 868/66/Met O 6
RP 15/4/2

8110

11th March 1968

Mr. K. Bryant,
Meteorological Office,
Londen Road,
Bracknell,
Berks.

Dear Mr. Bryant,

Thank you for your letter of 23rd February, accepting the final adjustments to the agreement between us. I have now had the agreement retyped in its final form and return four copies to you, signed by myself. I would appreciate it if you could have two copies signed on behalf of the Meteorological Office and returned to me. The agreement will become effective from the date of signing but, in practice, I think we must assume that it will not penetrate down to the operating level until perhaps mid-April.

I dare say that you, like ourselves, will be glad to have this file put away.

Yours sincerely,

H. J. Dunster
Deputy Division Head



Director's Office 5th March 1968

Dear Dunster,

Our consideration of your letter of 8th December about the proposed new agreement with the Meteorological Office seems to have been as leisurely as the negotiations themselves - for which we blush collectively!

The new arrangements seem to suit us well enough and we will act upon them as soon as we hear the agreement has been ratified.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'W.P. Grove', written in a cursive style.

W.P. Grove

H. J. Dunster, Esq
Radiological Protection Division
Bldg 10.28
AERE
Harwell



A

METEOROLOGICAL OFFICE

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex: 84160)

Telephone: Bracknell 20242, ext. 330

Please address any reply to

THE DIRECTOR-GENERAL

and quote: AF/M 368/66/Met 0 6

Your reference: RP 15/4/2


23rd February, 1968

Dear Mr. Dunster,

Thank you for your letter of the 20th February regarding the new agreement between the UKAEA and the Meteorological Office. The changes which you propose making to the amended draft agreement are acceptable to us.

2. My Directorate consider that the agreement ought to be signed on behalf of both the Authority and the Meteorological Office and I hope that you will be able to treat this agreement as a "statement of intent" and not as a "legal contract" thereby eliminating most of the delays which you mentioned in our telephone conversation this morning.

3. If your Branch agree to this, will you please send us copies of the final agreement, incorporating your amendments, for formal ratification by the Meteorological Office.

Yours sincerely

K. Bryant.

Mr. H.J. Dunster,
United Kingdom Atomic Energy Authority,
Authority Health and Safety Branch,
Radiological Protection Division,
Harwell, Didcot,
Berks.

AF/M 368/66/Met O 6
RP 15/4/2

8110

20th February 1968

Mr. T. N. S. Harrower,
Assistant Director (DS),
Meteorological Office,
London Road,
Bracknell,
Berks.

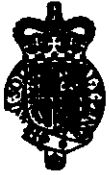
Dear Mr. Harrower,

Thank you very much for your letter of 16th February, with the amended draft agreement on meteorological information in the event of an accidental release of radioactivity to atmosphere. We think your draft is an improvement on the previous one and, with one further suggestion, will be very happy to accept it. In line 5 of the introduction, we would like to add after establishments, "to which the agreement applies". During the reconsideration of our needs, we have come to the conclusion that Springfields, like some of our smaller establishments, does not need to participate in this scheme at all, and we therefore ask that this establishment should be deleted from Appendices I and II.

These changes are only formal, but it will probably be as well if you would confirm your agreement to them before I send the final version to our establishments for implementation.

Yours sincerely,

H. J. Dunster
Deputy Division Head



METEOROLOGICAL OFFICE

London Road, BRACKNELL, Berkshire

Telegrams: Metbrack London Telex

(Telex 84160)

Telephone: Bracknell 20242, ext. 320

Please address any reply to

THE DIRECTOR-GENERAL

and quote: AF/M 368/66/Met 0 6

Your reference: RP 15/4/2

16th February, 1968

Dear Mr. Dunster,

Arrangements within the Meteorological Office for supplying meteorological information to nuclear establishments in the event of accidental release have recently been reviewed and it has been decided that in future I shall assume overall responsibility for these arrangements. Mr. K. Bryant of my staff (Ext. 330) will undertake this for me on a day-to-day basis.

2. I am, therefore, replying to your letter reference RP 15/4/2 of 8th December 1967 on behalf of my Director General.

3. After studying the proposed agreement we feel that there ought to be a few changes in the text. These changes will clarify the Meteorological Office procedure but will in no way alter the basic agreement. A draft copy of the amended agreement is enclosed.

4. If you are able to accept this draft the Meteorological Office is prepared to formally ratify the agreement.

Yours sincerely,

T.N.S. Harrower
Assistant Director (DS)

Mr. H.J. Dunster,
United Kingdom Atomic Energy Authority,
Authority Health and Safety Branch,
Radiological Protection Division,
Harwell, Didcot,
Berks.

AGREEMENT BETWEEN ESTABLISHMENTS OF THE UKAEA
AND THE METEOROLOGICAL OFFICE REGARDING METEOROLOGICAL
INFORMATION IN THE EVENT OF AN ACCIDENTAL RELEASE TO ATMOSPHERE

1. Introduction

This agreement summarises the arrangements by which the UKAEA would obtain information from the Meteorological Office to help in planning and executing the monitoring and counter measures following a major release of radioactive or toxic materials to the atmosphere. It replaces the agreement drawn up in 1958 and amended in 1961 (A299619/58/II issued by M.O.14, July 1961). Details of the establishments ^{to which the agreement applies} and the main forecasting offices are shown in Appendix I, while details of the anemograph sitings are shown in Appendix II.

2. Requirements

In the event of a substantial accidental release of gaseous or fine particulate radioactive and/or toxic material to the atmosphere, the establishment concerned will need a rapid assessment of the direction and speed of travel of the material. Such information will assist staff at the establishment in executing environmental surveys and/or counter measures which may be urgently necessary to prevent or reduce radiation exposure of members of the public. Indication of the initial direction and speed of the material will be obtained from the anemograph(s) at the establishments; this will be supplemented by knowledge, if available, of local wind peculiarities gained from assessment of tabulated wind data, and by information from a meteorological office on wind direction and speed at the time in the general area surrounding the establishment.

The execution of subsequent monitoring and counter measures will be aided by forecasts, each covering a period of a few hours, indicating the possibility and extent of changes in wind speed and direction near the surface, and also at about 1500 ft above ground level, and of changes in stability and precipitation. A series of such forecasts may be needed during the one or two days following the release.

Sentence omitted as to reason for new agreement

my addition

3. Technical Arrangements

Added 3.1 A Main Meteorological Office is nominated to serve each establishment, as indicated in Appendix 1.

revised 3.2 The head of each Health and Safety (or Health Physics) Department will make arrangements for the Senior Meteorological Officer of the associated Main Meteorological Office to pay any necessary visits to the establishment in order to discuss local features with Health Physics Staff.

wording revised 3.3 Exercises to test the communications between Establishments and the nominated Main Meteorological Offices will be initiated by the Head of each Health and Safety Department in agreement with the associated Senior Meteorological Officer.

added 3.4 Each establishment will ensure that anemographs are correctly orientated and maintained according to the appropriate detailed Meteorological Office Instrument Instructions. If requested, a full inspection will be made annually by the Meteorological Office (Met O 16) Bracknell.

added 3.5 The Head of each Health and Safety Department will be responsible for deciding whether and for how long to send wind tabulations to the Meteorological Office (Met O 3) Bracknell. If at all possible, these tabulations should be continued to enable at least two years' satisfactory records to be obtained so that the Meteorological Office can report on the micrometeorological factors of the site.

added 3.6 Each establishment will notify the Meteorological Office (Met O 6b), Bracknell, of any changes in anemograph siting, or in building siting or dimensions, where these might affect the anemograph exposure.

added 3.7 In the event of an accidental release to the atmosphere, Health Physics staff will so inform the nominated Main Meteorological Office and will supply information on the current anemograph readings. The duty forecaster will thereupon supply information on wind direction and speed at the time, near the surface and at about 1500 ft above ground level, in the general area surrounding the establishment, drawing attention to any local peculiarities of which he is aware. He will also supply forecasts of changes in wind speed and direction, of changes in stability, including the heights of inversions,

4. Financial Arrangements

4.1 The Meteorological Office will charge for any services rendered under this agreement, in accordance with its current regulations.

4.2 Under section 3.3 regarding communications exercises, no charge will be made unless forecasts are requested.

4.3 Under section 3.4 regarding the annual (optional) inspection of anemographs by the Meteorological Office, the inspection will be charged to the UKAEA if wind tabulations are not currently sent to the Meteorological Office.

5. Administrative Arrangements

5.1 A.D. Met O (DS), Bracknell, is responsible for co-ordinating all the meteorological arrangements covered by this agreement.

Radiological Protection Division
UKAEA Health and Safety Branch
Harwell, Didcot, Berks

February 1968

Meteorological Office
London Road
Bracknell, Berks

February 1968

APPENDIX I

Main Meteorological Offices Serving Establishments

UKAEA Site

Main Meteorological Office

Aldermaston (Berks)
Tel: Tadley 4111
Newbury 1800
Basingstoke 3281

Amersham (Bucks)
Tel: Little Chalfont 2701

Harwell (Berks)
Tel: Abingdon 4141

Winfrith (near Wool, Dorset)
Tel: Dorchester 1700

Capenhurst (near Chester)
Tel: Hooton 4101

Risley (near Warrington)
Tel: Warrington 31244

~~Springfields (near Preston, Lancs)
Tel: Preston 29351~~

Windscale (and Calder Hall)
(near Seascale, Cumberland)
Tel: Seascale 333

Chapelcross (near Annan,
Dumfriesshire)
Tel: Annan 2835

Dounreay (near Thurso,
Caithness)
Tel: Thurso 2121
Reay 261

Upavon (Wilts)

Tel: Upavon 286
or Upavon 351
Ext. 283 or 317

Preston (Lancs)

Tel: Preston (Lancs) 52628
Ext. 203 or 204

Prestwick (Ayrshire)
Tel: Prestwick 77256, Ext. 173
or Prestwick 79822, Ext. 195

Pitreavie (Dunfermline, Fife)
Tel: Inverkeithing 266

*to be
deleted
by us*

APPENDIX II

Anemograph Siting at Establishments

U.K.A.E.A. Site	Lat. & Long.	Approximate Height of Ground at Low-Level Anemograph site above M.S.L. ft.	Approximate Height of Anemograph Head Above Ground	
			Low Level ft.	High Level ft.
Aldermaston	51° 22'N; 1° 00'W	340	41	-
Amersham	51° 40'N; 0° 34½'W	450	50	-
Capenhurst	55° 15½'N; 2° 57'W	140	60	-
Chapelcross	55° 01'N; 3° 15½'W	260	50	-
Risley	-	-	30	-
Douareay	58° 35'N; 3° 45'W	50	30	187
Harwell	51° 35'N; 1° 19'W	400	50	120
Springfields	55° 48½'N; 2° 48½'W	80	50	-
Windscale	54° 25'N; 3° 30'W	45	40	440*
Winfrith	50° 40½'N; 2° 15'W	112	50	-

* ground level 87 ft. above M.S.L.

29

35

at by us

- 5 -

11
17
21
10
28

88

(84)

21

CENTRAL ELECTRICITY GENERATING BOARD

Nuclear Health and
Safety Department



Safeguards Branch

L. Jacobs, Esq.,
Assistant Director,
Meteorological Office,
London Road,
BRACKNELL,
Berks.

Laud House
20 Newgate Street
London EC1

Telephone CITY 1202 Ext 3386
Telex 25741
Telegrams Megawatt London Telex

Our ref NH/SJD/3.7.5

Your ref

Date 9 ~~January~~ ^{February} 1968

Dear Mr. Jacobs,

Agreement between establishments of the C.E.G.B.
and the Meteorological Office regarding meteorological
information in the event of an accidental release to atmosphere

I refer to the recent agreement copied to the C.E.G.B. under Mr. Dunster's letter RP/15/4/2 of 8 December, and about which we have spoken on the telephone on several occasions.

This Department considers that the agreement represents a considerable improvement over the earlier, and still current, arrangements. As you are aware a release might last for a period varying from ten minutes to several hours. The C.E.G.B. needs information to cover two main aspects of emergency measures. The first is in ascertaining the path of the plume and local deposition up to distances of a mile or so, and the second is essentially establishing the deposition contours up to 15 or perhaps more miles. The first requirement is against the possibility that people might have to move temporarily out of the affected area and the second so that control could be exercised over the consumption of food-stuffs, notably milk. The first requirement involves very prompt information, initially coming entirely from the station instrumentation, the second requirement is less urgent but the time scale is one of hours. The new agreement meets these requirements.

I regret however that we remain unconvinced of the need for sending wind tabulations under paragraph 3.4. We are of course aware of the side benefits by way of functional and maintenance checks, but should be pleased to receive a technical justification showing how the wind tabulations, micrometeorological factors of the site and emergency observations and forecasts are related. The stations will wish to do all that is reasonably necessary to ensure getting the right information in an emergency, but I fear that unless the wind tabulations can be seen to be essential the stations are unlikely to undertake this not inconsiderable chore.

I am copying this letter to Messrs. H. J. Dunster (U.K.A.E.A.)

- 2 -

and J. N. Tweedy (S.S.E.B.).

Yours sincerely,

S. J. Dagg

for G. C. Dale

Deputy Chief Nuclear Health and Safety Officer

Copies to:

Mr. H. J. Dunster

Mr. J. N. Tweedy



UNITED KINGDOM ATOMIC ENERGY AUTHORITY

REACTOR GROUP

Dounreay Experimental Reactor Establishment,
Thurso, Caithness, Scotland.

TELEGRAMS: ATEN, REAY, THURSO

TELEX: 7597 ATOM DOUNREAY

THURSO 2121

Ext. 7222

Your Ref. RP 15/4/2

Our Ref.

17 January, 1968.

Mr. H. J. Dunster,
Deputy Division Head,
A.H.S.B.,
R.P.D.,
Harwell,
Didcot,
Berks.

Dear *Dunster*

The terms of this agreement, the various drafts of which were considered by Health and Safety Division, are acceptable to this establishment. When the agreement is ratified the technical arrangements in paragraph 3 will be carried out.

In particular, a Senior Forecaster will be invited here at which time the details of a communications exercise will be arranged and the question of whether or not to continue to send high level wind tabulations will be considered. Data from the low level anemograph will continue to be processed here for the use of Chemistry Division in relation to liquid effluent disposal and since this information will be in the form required by Meteorological Office, there is no reason why we should discontinue sending it to them.

Under the latter arrangement Meteorological Office will inspect our low level instrument annually free of charge and we will pay what should only be a slight additional fee for the inspection at the same time of the high level instrument.

Yours sincerely,

R. R. Matthews
Director



ATOMIC ENERGY RESEARCH ESTABLISHMENT,

HARWELL,

DIDCOT, BERKS.

UKAEA

telephone: ABINGDON 4141 EXT. 2857

Your reference: RP/15/4/2

Our reference: DR/Safety/9C

8th January, 1968

Mr. H.J. Dunster,
R.P.D.

Dear Dunster,

Thank you for your letter dated 8th December. The draft agreement which you kindly sent me is entirely acceptable so far as we are concerned and the proposed procedure will be brought into effect when the agreement is finally ratified.

Reference

Copies to: Mr. N.G. Stewart
Dr. T.A. Hall

RP 15/4/2

8110

9th January 1968

Mr. D. H. Morris,
Health Physics and Safety Manager,
Springfields Works,
Salwick,
Preston,
Lancs.

Dear Hugh,

Thank you for your letter of 20th December following up our telephone conversation about meteorological arrangements.

Although I appreciated that you would not be calling on the Meteorological Office for the sort of services we have in mind in this agreement, it seemed to me that the form of agreement was so flexible that there would be no need to leave any Authority establishment out of it, except of course for those which had never been included in the first place. However, I take your point that it might be simpler to divorce you completely from the proceedings, and I have asked Miss Bryant to delete all reference to Springfields in the final document. I will also make it clear that the document applies only to those establishments which are listed within it.

Yours sincerely,

H. J. Dunster

✓ RP File (Through Miss P. M. Bryant
- for appropriate action)

UNITED KINGDOM ATOMIC ENERGY AUTHORITY



PRODUCTION GROUP

SPRINGFIELDS WORKS,
SALWICK,
PRESTON · LANCS. PR4 0XJ
TELEGRAMS: "Acon", SALWICK, PRESTON.
TELEX: 67-526 ATOM, SPRINGFIELDS.
TELEPHONE: PRESTON 29351 EXT.

YOUR REF.

OUR REF.

RP 5742

Mr. H. J. Dunster,
Deputy Division Head,
A.H.S.B.,
R.P.D.,
U.K.A.E.A.,
Harwell,
Didcot,
Berks.

20th December, 1967

Dear *John*,

Draft Agreement between U.K.A.E.A. and Meteorological Office

Further to Dr. Rogan's letter to you of 14th December, acknowledging receipt of your letter and the above enclosure, he has asked me to give you our observations.

As I explained in our telephone conversation, we considered the subject of assistance from the Met. Office some considerable time ago. We do not envisage any accidental release at Springfields of the type requiring the use of long distance wind forecasts. This was minuted at a meeting at London Office on 17.3.66, following prior information which we had given. You are probably aware that our own anemometer is considered adequate for local short range purposes.

A further comment on our position was made in a paper (ref. RP 15/4/2) by Pamela Bryant dated 19.9.66. We later telexed on 9.8.67 that we had no need for long-distance forecasting, and we repeated this in a memo dated 6.12.67 to Pam Bryant, following a sight of the previous draft agreement.

As we are included in Appendix I of the Draft Agreement one could infer that we are committed to all the arrangements specified in the text. In the circumstances it is clearly unnecessary for us to be involved in this formal arrangement, and it will save needless effort and time both by the Met. Office and ourselves if it is made clear that we do not place them under formal and specific obligation in respect of Springfields. This is what you and I agreed in telephone conversation.

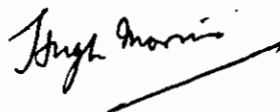
Just for the record I might recall that we did, in fact, supply the Met. Office with copious data covering an extended period, but I put a stop to the detailed pre-calculation which they demanded of us in the early stages.

/I

I think I am correct in assuming that we are still at liberty to ask the Met. Office for more general information at any time, in common with other organisations and indeed members of the public. At the same time we would not expect them to provide us with such details as would require continued and literal collaboration with this establishment.

With compliments of the Season,

Yours sincerely,

A handwritten signature in cursive script, reading "D. H. Morris", with a long horizontal flourish extending to the right.

(D. H. MORRIS)
Health Physics and Safety Manager