SCHEDULE 1

Regulations 13 and 15

PART 4

PHYSICAL INVENTORY LISTING (PIL)

Label/Tag	*Content*	*Comments*	*#*
MBA	Character (4)	MBA code of reporting MBA	1
Report type	Character (1)	P for physical inventory listings	2
Report date	DDMMYYYY	Date on which the report was completed	3
Report number	Number (8)	Sequential number, no gaps	4
PIT date	DDMMYYYY	Date on which the physical inventory was taken	5
Line count	Number (8)	Total number of lines reported	6
Reporting person	Character (30)	Name of person responsible for report	7
PIL_ITEM_ID	Number (8)	Sequential number	8
Batch	Character (20)	Unique identifier for a batch of qualifying nuclear material	9
KMP	Character (1)	Key measurement point	10
Measurement	Character (1)	Measurement code	11
Element category	Character (1)	Category of qualifying nuclear material	12
Material form	Character (2)	Material form code	13
Material container	Character (1)	Material container code	14
Material state	Character (1)	Material state code	15
Line number	Number (8)	Sequential number, no gaps	16
Items	Number (6)	Number of items	17
Element weight	Number (24.3)	Element weight	18
Isotope	Character (1)	G for U-235, K for U-233, J for a mixture of U-235 and U-233	19
Fissile weight	Number (24.3)	Weight of fissile isotope	20
Obligation	Character (2)	Safeguards obligation	21
Document	Character (70)	Operator-defined reference to supporting documents	22
Container ID	Character (20)	Operator-defined identifier for the container	23
Correction	Character (1)	D for deletions, A for additions forming part of a deletion/addition pair, L for late lines (stand-alone additions)	24

Label/Tag	*Content*	*Comments*	*#*
Previous report	Number (8)	Report number of line to be corrected	25
Previous line	Number (8)	Line number of line to be corrected	26
Comment	Character (256)	Operator comment	27
CRC	Number (20)	Hash code of line for quality control purposes	28
Previous CRC	Number (20)	Hash code of line to be corrected	29

Explanatory notes

1. MBA:

   Code of the reporting material balance area. This code is notified to the qualifying nuclear facility concerned by the ONR.

2. REPORT TYPE:

   P for physical inventory listings.

3. REPORT DATE:

   Date on which the report was completed.

4. REPORT NUMBER:

   Sequential number, no gaps.

5. PIT DATE:

   Day, month and year when the physical inventory was taken, reflecting the situation at 24.00.

6. LINE COUNT:

   Total number of lines reported.

7. REPORTING PERSON:

   Name of person responsible for report.

8. PIL_ITEM_ID:

   Sequential number, common to all PIL lines related to the same physical object.

9. BATCH:

If batch follow-up is required in the particular safeguard provisions, the batch designation previously used for the batch in an inventory change report or in a previous physical inventory listing must be used.

10. KMP:

Key measurement point. The codes are notified to the qualifying nuclear facility concerned in the particular safeguard provisions or otherwise in writing. If no code has been specified, '&' should be used.

11. MEASUREMENT:

The basis on which the quantity of qualifying nuclear material reported was established has to be indicated. One of the following codes must be used:

Measured	*Estimated*	*Explanation*
M	E	In the reporting material balance area.
N	F	In another material balance area.
T	G	In the reporting material balance area when the weights have already been given in a previous inventory change report or physical inventory listing.
L	H	In another material balance area when the weights have already been given in a previous inventory change report or physical inventory listing for the present material balance area.

12. ELEMENT CATEGORY:

The following codes must be used:

Category of qualifying nuclear material	*Code*
Plutonium	P
High enriched uranium (20% enrichment and above)	H
Low enriched uranium (higher than natural and less than 20% enrichment)	L
Natural uranium	N
Depleted uranium	D

Category of qualifying nuclear material	*Code*
Thorium	T

13. MATERIAL FORM:

The following codes must be used:

Main type of material form	*Subtype*	*Code*
Ores		OR
Concentrates		YC
Uranium hexafluoride (UF_6)		U6
Uranium tetrafluoride (UF_4)		U4
Uranium dioxide (UO_2)		U2
Uranium trioxide (UO_3)		U3
Uranium oxide (U_3O_8)		U8
Thorium oxide (ThO_2)		T2
Solutions	Nitrate	LN
	Fluoride	LF
	Other	LO
Powder	Homogeneous	PH
	Heterogeneous	PN
Ceramics	Pellets	CP
	Spheres	CS
	Other	CO
Metal	Pure	MP
	Alloys	MA
Fuel	Rods, pins	ER
	Plates	EP
	Bundles	EB
	Assemblies	EA
	Other	EO
Sealed sources		QS
Small quantities/samples		SS
Scrap	Homogeneous	SH

Main type of material form	*Subtype*	*Code*
	Heterogeneous (clean-outs, clinkers, sludges, fines, other)	SN
Solid waste	Hulls	AH
	Mixed (plastics, gloves, papers, etc.)	AM
	Contaminated equipment	AC
	Other	AO
Liquid waste	Low active	WL
	Medium active	WM
	High active	WH
Conditioned waste	Glass	NG
	Bitumen	NB
	Concrete	NC
	Other	NO

14. MATERIAL CONTAINER:

The following codes must be used:

Type of container	*Code*
Cylinder	C
Pack	P
Drum	D
Discrete fuel unit	S
Bird cage	B
Bottle	F
Tank or other container	T
Other	O

15. MATERIAL STATE:

The following codes must be used:

State	Code
Fresh qualifying nuclear material	F
Irradiated qualifying nuclear material	I

Waste	W
Irrecoverable qualifying nuclear material	N

16. LINE NUMBER:

Sequential number starting with 1 in each report, no gaps.

17. ITEMS:

Each physical inventory line must indicate the number of items involved. If a group of items belonging to the same batch are reported as several lines, the sum of the number of items reported must equal the total number of items in the group. If the lines involve more than one element category, the number of items should be declared in the line(s) for the element category of highest strategic value only (in descending order: P, H, L, N, D, T).

18. ELEMENT WEIGHT:

The weight of the element category referred to in field 12 must be reported. All weights must be reported in grams. The decimal digits appearing in the accounting lines can be reported up to a maximum of three decimal places.

19. ISOTOPE:

This code indicates the fissile isotopes involved and should be used when the weight of fissile isotopes is reported. Use the code G for U-235, K for U-233, and J for a mixture of U-235 and U-233.

20. FISSILE WEIGHT:

Unless otherwise stated in the particular safeguard provisions, the weight of fissile isotopes must only be reported for enriched uranium and category changes involving enriched uranium. All weights must be reported in grams. The decimal digits appearing in the accounting lines can be reported up to a maximum of three decimal places.

21. OBLIGATION:

Indication of any additional obligation assumed by the United Kingdom under a relevant international agreement, to which the qualifying nuclear material is subject (regulation 19). Regulation 19(4) governs the making available of appropriate codes by the ONR.

22. DOCUMENT:

Operator-defined reference to supporting document(s).

23. CONTAINER ID:

Operator-defined container number. Optional data element which can be used in those cases where the container number does not appear in the batch designation.

24. CORRECTION:

Corrections have to be made by deleting the wrong line(s) and adding the correct one(s), where appropriate. The following codes must be used:

Code	*Explanation*
D	Deletion. The line to be deleted must be identified by indicating in field 25 the report number (4), in field 26 the line number (16) and in field 29 the CRC (28) which were declared for the original line. Other fields need not be reported.
A	Addition (forming part of a deletion/addition pair). The correct line must be reported with all data fields including the 'previous report' field (25) and the 'previous line' field (26). The 'previous line' field (26) must contain the line number (16) of the line being replaced by the deletion/addition pair.
L	Late line (stand-alone addition). The late line to be added must be reported with all data fields, including the 'previous report' field (25). The 'previous report' field (25) must contain the report number (4) of the report in which the late line should have been included.

25. PREVIOUS REPORT:

Indicate the report number (4) of the line to be corrected.

26. PREVIOUS LINE:

For deletions, or additions forming part of a deletion/addition pair, indicate the line number (16) of the line to be corrected.

27. COMMENT:

Free-text comment field for short comments by operator.

28. CRC:

Hash code of line for quality control purposes. The ONR must inform the operator of the algorithm to be used.

29. PREVIOUS CRC:

Hash code of the line to be corrected.

GENERAL REMARKS CONCERNING THE COMPLETION OF THE REPORTS

If, on the date the physical inventory was taken, there was no qualifying nuclear material in the material balance area, only labels from 1 to 7, 16, 17 and 28 above should be completed on the report.

General remarks 2, 3, 4, 5 and 6 at the end of Part 2 apply to this Part as appropriate.

This form, duly completed and signed, must be sent to the ONR in accordance with regulation 35.