No. 194/94

OUTGOING

CONTROL OF POLLUTION ACT 1974
PART I

PERMIT

WASTE DISPOSAL LICENCE

THE * ALYN AND DEESIDE DISTRICT COUNCIL
HEREBY GRANT a Waste Disposal Licence, pursuant to an application dated 22nd March 1994, in respect of the following:

Full name and address of licence holder	Manweb Plc, Sealand Road, Chester, CH1 4LR
Full name and address of local representative (if any) of licence holder	
Location of site to which this licence relates	Manweb Plc, Central Stores, Factory Road, Sandycroft, Deeside, Clwyd. NGR SJ 325 681
Form of deposit or disposal to which this licence relates	Storage and Processing of Scrap Refrigeration Plant, including removal and storage of CFC's.
Types of waste of which deposit or disposal is authorised and any limitation as to quantity	Scrap Refrigeration Plant. Maximum of 35 units or 0.2 tonnes per day. Maximum of 10750 units or 65 tonnes per year.

This Licence is granted subject to the following conditions:—

See attached conditions (18 pages).

Dated 14th October 1994. (*Signed*) M Thompson

(*Designation*) Chief Technical Services Officer

THE LICENCE HOLDER SHOULD READ CAREFULLY THE NOTES OVERLEAF.

* Insert name of Waste Disposal Authority.

Cat. No. W.D. 5.
Copyright form.

SHAW & SONS LTD., Shaway House, London, SE26 5AE S1161 (M)

WASTE DISPOSAL LICENCE APPLICATION NO. LA0044 FOR MANWEB PLC, CENTRAL STORES, FACTORY ROAD, SANDYCROFT, DEESIDE, CLWYD

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A GENERAL - SITE LICENCE, WORKING PLAN AND OPERATIONS

A1 Site covered by Licence

These licence conditions shall apply to the site shown hatched black on the attached plan at appendix 3 to this licence.

A2 Operation of the Site

The site shall be operated in accordance with the licence conditions and the methods of operation described in the agreed Working Plan. The Working Plan shall form part of this licence, however, in the event of any proposals or details of operations contained in the Working Plan being in conflict with these licence conditions the licence conditions shall prevail.

A3 Working Plan

For the purpose of this licence the Working Plan shall consist of the latest issue or modification of the Working Plan which has been agreed in writing by the Waste Regulation Authority. The Working Plan shall be as defined by Waste Management paper No. 4 (3rd Edition published 1994 or any subsequent revision).

A4 Display of Site Licence and Working Plan

(a) Display of Site Licence

A copy of this site licence including the conditions and any modifications thereto shall be displayed at all times in the site office in a prominent position. All site operations shall be fully conversant with its contents.

(b) Inspection of Working Plan and Site Licence

Shall be made available for inspection at the site office at any reasonable time by:-

(i) any site operatives.
(ii) any authorised representative of the Waste Regulation Authority.

A5 Modification to and Acceptance of the Working Plan

The current issue of the Working Plan shall not be revised, altered or otherwise modified unless:-

(i) A copy of the proposed revision, alteration or other modification has been submitted to the Waste Regulation Authority in writing.

(ii) The proposed revision, alteration or other modification has been approved, within 2 months of the date of its submission or any other agreed timescale, in writing by the Waste Regulation Authority.

A6 Contact Details

No waste shall be received until the licence holder has provided, in writing, to the Waste Regulation Authority, the name, business address and telephone number of:-

(a) the person or persons having authority to accept or reject waste at the site;

(b) the person or persons responsible for the day-to-day control of operations on the site;

(c) the person or persons responsible for site security; and

(d) the person or persons responsible for ensuring that the conditions of this licence are complied with/

Any change in these details shall be notified in writing to the Waste Regulation Authority within 24 hours of the change occurring.

A7 Emergency Contact Details

No waste shall be received until the licence holder has provided to the Waste Regulation Authority, in writing, the name, address and telephone number of a responsible person for contact in the event of an emergency arising in connection with the facility:-

(a) during normal operating hours; and
(b) outside normal operating hours.

Any change in these details shall be notified in writing to the Waste Regulation Authority within 24 hours of the change occurring.

A8 Notification under Licence Conditions

Any notification which the licence holder is required to make under these conditions shall be made to:-

Chief Technical Services Officer,
F.A.O. Waste Regulation Section,
Alyn & Deeside District Council,
Civic Offices,
St. David's Park,
Ewloe,
Deeside,
Clwyd, CH5 3PW

Tel No: (0244) 525000
Fax No: (0244) 525323

B PERMITTED AND NON-PERMITTED WASTES

B1 Permitted Types and Quantities of Waste

(a) Wastes to be received, stored or handled

The types of waste specified in B1(b) of this licence below shall be received, stored or handled at the site, solely under the terms and conditions of this licence.

(b) Permitted Waste Types

Scrap refrigeration plant as specified in the agreed working plan. These wastes shall not be admixed with any wastes from non-permitted groups.

(c) Total Quantities

The total quantity of wastes accepted daily shall not exceed 35 units or 0.2 tonnes per day. The total quantity of wastes accepted annually shall not exceed 10,750 units or 65 tonnes.

B2 Special Waste

No 'Special Waste' as defined by the Control of Pollution (Special Waste) Regulations 1980 (S.I. 1980 No. 1709) shall be received, stored or handled at the site.

C CONTROL OF WASTE PROCESSING OPERATIONS

C1 Recording of Wastes

The waste types, quantities and districts of origin of each load shall be recorded in accordance with Condition D1 of this licence upon arrival at or removal from the site.

C2 Non-Conforming Wastes

(a) Turning Away or Removal of Waste

All wastes not conforming to the requirements of condition B1 of this licence shall be turned away or removed from the site in accordance with the Working Plan.

(b) Storage of Waste Prior to Removal

When such non-conforming wastes cannot be turned away or removed from the site immediately, they shall be stored in a designated area for no more than 2 working days and removed to a suitably licensed waste disposal facility.

(c) Recording of Incidents

A record shall be kept of all such incidents and the Waste Regulation Authority informed by telephone immediately upon their occurrence.

C3 Sampling

Samples of any waste entering the site or undergoing processing on the site and samples of any gaseous, liquid or particulate emissions from the site may be taken by or under the direction of the Waste Regulation Authority.

The site operator shall provide any reasonable assistance in the form of site personnel and/or equipment to the Waste Regulation officers on request, to enable such samples to be obtained.

Any information required to enable sampling to be carried out in accordance with the requirements of the "Control of Substances Hazardous to Health (COSHH) Regulations 1988" (or any subsequent replacement legislation) shall be provided forthwith to the Waste Regulation Authority on request.

D SITE RECORDS

D1 Site Records

Daily written records shall be kept at the site office, of the types, quantities and district of origin/destination of all wastes delivered to or removed from the site. Four weekly and annual returns shall be made to the Waste Regulation Authority as detailed in Condition D2 of this licence.

D2 Return of the Records

(a) Four Weekly Returns

Four weekly summaries of the daily written records prepared in accordance with condition D1 of this licence shall be submitted to the Waste Regulation Authority within 2 weeks following from the end of the four weekly period. This record shall be in the form summarised in Appendix 1 to this licence.

(b) Annual Returns

An annual summary of the daily written records prepared in accordance with condition D1 of this licence shall be submitted to the Waste Regulation Authority by the 1st of February of the following year. This record shall be in the form as summarised in Appendix 2 to this licence.

D3 Inspection of Records

All records required to be kept under Condition D1 of this licence must be made available to any authorised representative of the Waste Regulation Authority for inspection at any reasonable time.

D4 Retention and Surrender of Records

All records required to be kept under condition D1 of this licence shall be kept at the site office or at the licence holders offices at:-

Manweb plc,
Central Stores,
Factory Road,
Sandycroft,
Deeside,
Clwyd.

The site operator shall keep these records for the duration of the site licence unless otherwise authorised in writing by the Waste Regulation Authority. The licence holder shall surrender these records to the Waste Regulation Authority on termination of this site licence whether by surrender or revocation.

E SITE FACILITIES AND INFRASTRUCTURE

E1 Site Office

No waste shall be received or handled at the site unless a site control office has been provided. It shall be adequately equipped and manned to allow the requirements of the conditions of this licence to be routinely carried out.

E2 Site Identification Board

No waste shall be received or handled at the site unless a site identification board of durable material and finish has been displayed at the location shown in the working plan, showing the following information:-

(i) The name and licence number of the site.
(ii) The days and hours when the site is open.
(iii) The name, address and telephone number of the operator.
(iv) The disposal licence for this site was issued by Alyn and Deeside District Council
(v) Emergency telephone number.

The lettering used shall be a minimum of 25 millimetres in height. The identification board shall be maintained in a legible condition.

E3 Site Security

No waste shall be deposited until the fence has been constructed around the perimeter of the site, and lockable gates have been installed at the site entrance in accordance with the specification in the Working Plan. Site fencing and gates shall be inspected each working day and any damage or holes shall be repaired within two working days (48 hours) of being detected. Gates shall be lockable out of working hours other than in an emergency and in any case whenever the site is not manned.

E4 Vehicle Access

No waste shall be received or handled at the site unless access has been provided for the parking, manoeuvring, loading and unloading of vehicles transporting wastes and materials to and from the site.

F SITE OPERATIONS

F1 Opening Hours

The site shall be open for the receipt of waste during the hours:-

Monday to Friday	08.00 to 17.00 hrs
Saturday	08.00 to 17.00 hrs
Sunday	No receipts of waste
Bank Holidays	No receipts of waste
Other Public Holidays	No receipts of waste

No waste shall be accepted at the site outside of these hours except with the prior consent of the Waste Regulation Authority.

No waste shall be received, handled or removed from the site during the hours covered by official lighting up times (as published by the Science and Engineering Research Council) unless adequate lighting is provided and is in use in accordance with the Working Plan. This lighting must be independent of vehicle lighting.

F2 Staffing

Appropriately trained and experienced supervisory and/or operating staff shall be made available as and when required to ensure that the conditions of this licence are fulfilled. The appropriate level of training shall be as specified in the Working Plan.

A minimum of two operatives, at least one of whom shall be an appropriately trained supervisor, shall be on site whenever waste is being deposited, handled or removed.

F3 Machinery, Plant and Equipment

An appropriate level of machinery plant and equipment shall be provided to ensure that all incoming waste is dealt with in accordance with the conditions of this licence. All such machinery plant requirement shall be specified in the Working Plan.

In the event of any breakdown of such machinery, or equipment which results in waste not being dealt with in accordance with the conditions of this licence, the site shall be closed until such time as the defective items are repaired or replaced unless otherwise authorised by the Waste Regulation Authority in writing.

F4 Temporary Cessation of Operations

All temporary cessations of operations which require the transfer or diversion of waste delivered at the facility to facilities elsewhere shall be notified in writing forthwith to the Waste Regulation Authority.

F5 Recommencement of Operations

Not less than 14 days notice shall be given in writing to the Waste Regulation Authority of the date on which operations are to recommence in the event of a temporary cessation for a period in excess of three months.

G WASTE PROCESSING OPERATIONS ON THE SITE

G1 Sorting and Segregation of Wastes

All sorting and segregation of wastes shall take place within the designated areas and in accordance with the procedures outlined in the Working Plan.

G2 Storage of Wastes

(a) All wastes deposited on the site either before, during or after sorting and/or segregation shall be stored in accordance with the Working Plan.

(b) Drainage of Liquids from Appliances

Provision shall be made in accordance with the Working Plan to prevent any liquid spillage during waste processing operations.

G3 Removal of CFC's

(a) The removal of CFC's shall only be undertaken in the area specified in the working plan and in accordance with the methodology detailed in the working plan.

(b) The apparatus used for CFC removal shall be inspected and checked weekly for leakages of gases. Should any leakages be detected then the apparatus should not be reused until it has been refurbished to the manufacturer's original specifications. The apparatus shall be regularly serviced in accordance with the manufacturers recommendations and specifications.

(c) Should the detection of any leakages occur then the WRA shall be informed within 2 working days. The details of any repair and/or servicing work carried out shall be forwarded to the WRA within one week of the date of the event.

H ENVIRONMENTAL CONTROLS

H1 Fires

No waste shall be burnt within the boundaries of the site. Any fire at the site shall be regarded as an emergency and shall be immediately notified forthwith to the Waste Regulation Authority in accordance with the terms of condition A7 of this licence.

H2 Loose Waste

At least once a week any loose waste which may be lying on the site shall be gathered and disposed of in accordance with the Working Plan.

H3 Vermin and Insects

Precautions shall be taken as specified in the Working Plan to deal effectively with any vermin and insects on the site.

H4 Spillages

Equipment shall be provided and used in accordance with the Working Plan to contain and deal with any spillage of waste at the site.

H5 Amenities

Measures as specified in the Working Plan shall be undertaken so as to prevent detriment through noise, dust or visual impact to the amenities of the adjoining locality.

I POLLUTION CONTROLS

I1 Drainage onto or from Land

All surface water run-off from the site shall be drained as specified in the Working Plan.

I2 Removal of Contaminated Water from the Site

Records shall be kept of all removals of contaminated waters in accordance with condition D1(b) of this licence.

J SITE PREPARATION MAINTENANCE

J1 Preparation and Maintenance of Site Surface

The site shall be surfaced as specified in the Working Plan.

All surfaces shall be maintained at all times in a state of good repair.

J2 Maintenance of Site

A regular site maintenance programme shall be followed as specified in the Working Plan and all necessary repairs shall be carried out within two working days (48 hours).

APPENDIX 1

Four Weekly Summary of Daily Site Records

Wastes Being Delivered to the Site

Date of Delivery	Vehicle Reg Number	Driver of Vehicle	Waste Types	Quantites of Wastes	District of origin

Wastes Being Removed from the Site

Date of Removal	Vehicle Reg Number	Driver of Vehicle	Waste Types	Quantites of Wastes	Destination

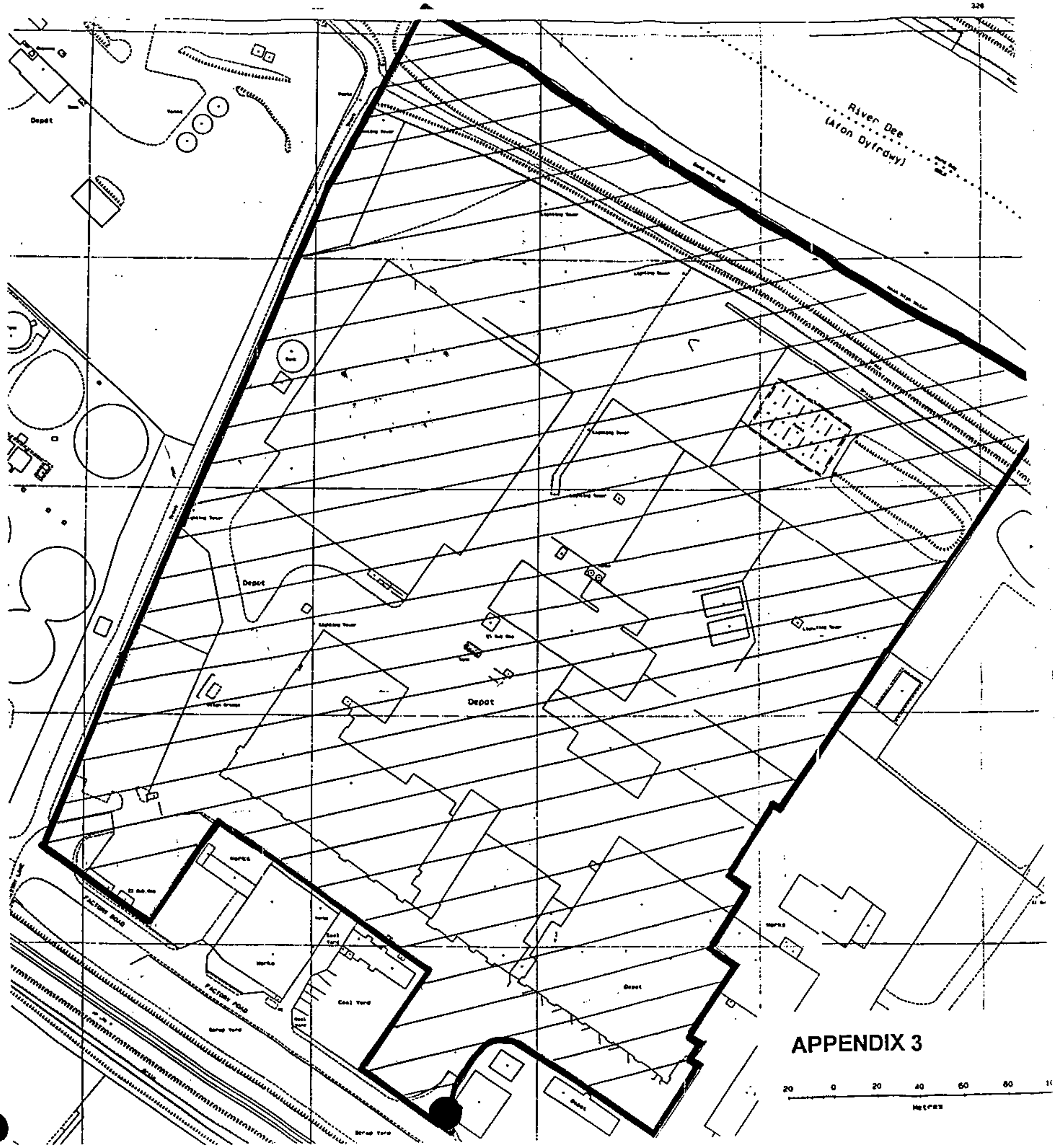
APPENDIX 2

Annual Return of Records

For each waste group specified in condition B1 (b) of this licence:

Waste Group	Total Quantity	Quantity Delivered per District of Origin	Total Quantity Removed	Destination

APPENDIX 3


River Dee
(Afon Dyfrdwy)
Depot
Works
Coal Yard
Factory Road
Scrap Yard
20 0 20 40 60 80
Metres

ALYN AND DEESIDE DISTRICT COUNCIL

CONTROL OF POLLUTION ACT 1974

Notice of Agreement of Working Plan Submitted in Support of an Application for a Waste Disposal Licence.

Licensee Manweb Plc

Licence Number 194/94

Site Name Manweb Plc Central Stores

Site Address Factory Road,
Sandycroft,
Deeside, Clwyd.

No. of Pages in Operational Statement 23 (twenty three)
(Copy Attached)

Plan Reference Numbers WDL 2
WDL 3
WDL 4

Dated this 30th **day of** September **1994**

Signed: M Thompson

Designation: Chief Technical Services Officer

Please Refer to Notes Overleaf

Manweb plc

Application for Waste Transfer Licence at Queensferry Depot, Sandycroft, Clwyd

Working Plan and Statement of Intent

1. INTRODUCTION

Manweb's Central Warehousing and Workshops Complex (referred to as the Depot in this plan) is located on land bordered by industrial sites on three sides with the River Dee forming the Northern boundary at Factory Road, Sandycroft, Deeside, Clwyd.

The main purpose of the Depot is to provide storage, handling and distribution of essential materials to provide and maintain the supply of electricity to customers throughout the Company's area.

In addition, the Depot is used to store and distribute electrical appliances to customers and retail outlets. Workshop facilities also exist to refurbish transformers, switchgear, and meters. Electrical appliances are repaired in a workshop facility which includes degassing of refrigeration for customers and local authorities.

The waste transfer operation, which is the subject of this application, is only a small part of those activities.

1.1. The type and source of imported waste is as follows:-

AGREED

Type of Waste		Source
1. Appliances	(a)	Customers scrap appliances
	(b)	Local Authorities - refrigeration for degassing and scrapping
2. Transformers	(a)	Manweb Depots
	(b)	Direct from Manweb substations
3. Switchgear	(a)	As in 2. above
	(b)	As in 2. above
4. Oil	(a)	Removed from Manweb vehicles
	(b)	Removed from transformers and switchgear.
5. Cable		Manweb Depots
6. Meters & Panels		Manweb depots.

Type of Waste	Source
7. Overhead Line Conductor & Miscellaneous Steelwork	Manweb Depots

1.2. Manweb has been an established user on the site since 1956 and all actions involving waste transfer take place on concreted areas which are regularly inspected.

1.3. Compactors, skips and bunded oil storage tanks are facilities used for the disposal of waste and details of these and their location are provided in Appendices 1-3 of this working plan.

1.4 One-way pallets are brought into the site as part of our suppliers transportation process. After use they are disposed of to pallet dealers. We understand that they do not require to be covered by a waste transfer licence.

2. SITE PREPARATION

2.1. Engineering

Details of site preparation including fencing, gating and surface specifications are shown on the attached site plan.

2.2. Environmental Monitoring

Details of existing drainage are shown on the attached site plan.

Regarding contaminated water control measures, water accumulating in bunded areas surrounding waste oil storage tanks is regularly inspected and emptied by a professional waste disposal company (Dyno Rod).

3. SITE PROCEDURES

Manweb undertake that "The site will be operated in accordance with the terms of the Waste Transfer Licence and current Waste Regulations, and in such a way as to keep environmental impact to a minimum".

3.1. Access

Access to the depot is shown in the attached site plan.

Closed skips and compactors are used for any light materials to prevent contamination of the public highway with litter.

3.2. Security

3.2.1. The depot is protected by 8 foot high galvanised palisade fencing and gates with a gatehouse which is manned 24 hours per day and seven days per week by a security guard. Closed circuit television linked to the gatehouse provides additional visual protection for the site.

3.2.2. Site security is the responsibility of the Depot Manager Mr. R Wright. In the event of any out of hours security problems, the security guard (Tel. Hawarden 533717) has a list of numbers to contact emergency services (police, fire etc.) and responsible Manweb personnel.

3.3. Notice Board

The noticeboard displaying the Waste Transfer Licence, relevant site details and the address and telephone number of the Alyn & Deeside Waste Regulation Authority will be situated in the reception area inside the main entrance to the new warehouse. It is of felt pinboard construction surrounded by a 750mm x 750mm wood frame.

3.4. Staffing

AGREED

The different groups involved in waste transfer at the Queensferry Depot are indicated on the site plan (Appendix 1).

Regarding safety, staff are provided with protective footwear, protective clothing (including all weather issue), gloves, earmuffs and hard hats as required. Staff in each building are trained to use fire extinguishers and follow evacuation procedures in the event of a fire.

3.5. Site Records

3.5.1. Records of waste transfer will be kept in the Depot Manager's office in the new warehouse.

3.5.2. Waste transfer notes will be filed for two years. Records will show the registration numbers of vehicles transferring waste, name of driver, weight of load, source of load, waste type.

3.5.3. Additionally, records will be kept of inputs and outputs of waste in accordance with the Duty of Care Regulations.

3.6. Hours of Operation

The hours of operation on the site are:-

8.00am to 17.00pm, Monday to Saturday.

The site gatehouse is manned 24 hours per day, seven days per week.

3.7. Waste Types

3.7.1. The maximum daily input for each type of waste is as follows:

Type	Daily Input
- Appliances	5 Tonnes
- Transformers*	1 Tonne (say 3 units p.d.)
- Switchgear	2 Tonnes
- Oil (in Transformers & Switchgear)	0.66 Tonnes
- Oil (in Vehicles)	0.02 Tonnes
- Bitumen & Resin	0.3 Tonnes
- Cable	0.5 Tonnes
- Meters and Meter Panels	1 Tonne
- CFC Refrigerant	1.6kg

AGREED

* In times of severe storms when heavy damage is suffered on the electricity network, the input of damaged transformers may exceed the maximum tonnage stated in this working plan.

3.7.2. A visual check is carried out on each consignment of waste received in the Depot.

3.7.3 As regards the handling of difficult waste, transformer and switchgear oil is normally securely contained within each item of plant, visual checks are carried out and rags or oil absorbent granules are used to soak up any leakage.

An item of plant, due for collection from a Manweb District, which is found to have an oil leak will not be removed from that location until the item has been protected and is safe to be transported. A decision to scrap or repair such an item will be made at the District and any item for scrap will be taken direct to the nominated waste disposal contractor without entering the Queensferry site.

In the rare instance that an item delivered to Queensferry Depot for refurbishment is found to have an oil leak, it will be placed on a concrete surface in the Plant Workshop and surrounded with absorbent materials until the item is refurbished without delay. Materials used to absorb any spillage will be placed in the closed skip (marked 6 on the site plan).

3.7.4. Engine oil is securely contained within vehicle sumps, visual checks are carried out and rags or absorbent granules are used to soak up any leakage (See Appendix 4)..

3.7.5. Should a visual check reveal the receipt on an unacceptable waste, the waste is immediately isolated to the emergency storage area allocated in the Redundant Appliance Store, marked No.19 on the site plan (Appendix 1).
Procedures require that steps are taken to identify the source of the waste and Alyn & Deeside Council is contacted to notify their representatives that an unacceptable waste has been received. Acting in conjunction with the Council representatives, the waste will then be disposed of via a licensed waste carrier to a licensed site.

3.7.6. PCB's

Manweb PLC does not purchase any transformers containing PCB's.

4. OPERATIONS

AGREED

A number of activities are carried on at the Queensferry Depot, e.g, storage and distribution of engineering materials, appliance storage and delivery, meter testing , and the waste transfer operation is only a small part of those activities.

4.1. Storage of Waste

Full details of the storage of waste by location, type of waste container, emptying frequency, waste description and name of disposal contractor is shown in Appendices 2 and 3 of this working plan.

4.2. Lighting

Existing site floodlighting is used to illuminate all areas where waste materials are stored or processed.

4.3. Machinery

Forklift trucks are used for moving transformers and appliances. In the event of breakdown, there are sufficient back-up trucks to ensure that the operation continues without any marked interruption.
Hiab lifts are sometimes used to move large transformers.

William George of Rotheram use a mechanical grab on their disposal vehicle to empty cable scrap from Manweb containers into their skip.

Transformer and engine oil are pumped directly into waste storage tanks via pipelines located in the workshops.

In the event of a pump breakdown in the transformer workshop, the pumping operation ceases until the pump has been repaired.
In the event of a pump breakdown in the vehicle workshop, there are sufficient oil drainers to prevent any cessation of the operation before the pump is repaired.

5. ENVIRONMENTAL CONTROLS

5.1. Litter/Spillages

Litter is kept to a minimum on the site by good housekeeping measures. A road sweeper cleans the site twice per year plus additional visits if the situation demands. Absorbent granules and rags are used to clear any oil spillages.

5.2. Pest Control

Pest Control is carried out on a contract basis by Rentokil Ltd., Rentokil House, Unit 4, Deva Business Park, Old Welsh Road, Deeside, Clwyd CH5 2HR. Tel. 0244 831011.

5.3. Dust Control

Dust is not a problem at this site.

5.4. Noise Control

Noise is negligible at this site.

5.5. Surface Water Drainage

Please refer to the attached site plan.

5.6. Fires

Manweb undertake that "No waste or other material shall be burned on site".

In the event of a fire inside a building at the site, automatic alarms link to the local fire station at Queensferry. If a fire occurs outside the buildings, the 999 emergency services will be contacted by phone. Staff are trained to use local fire extinguishers to handle minor incidents.
An automatic sprinkler system is operational in the main warehouse.

5.7. Fuel

All fuel is stored in tanks with a bund capable of holding 110% of the volume of the tank to the specification required by the National Rivers Authority.

6. DOCUMENTATION

6.1. Site Licence

The licence, conditions and any subsequent modifications will be permanently on display in the site office.
Members of staff will be made fully conversant with the terms of the documents relevant to their own operations.

6.2. Working Plan

The working plan and operational instructions will be kept on site.
Appropriate site operatives will be made fully conversant with the terms of these documents.

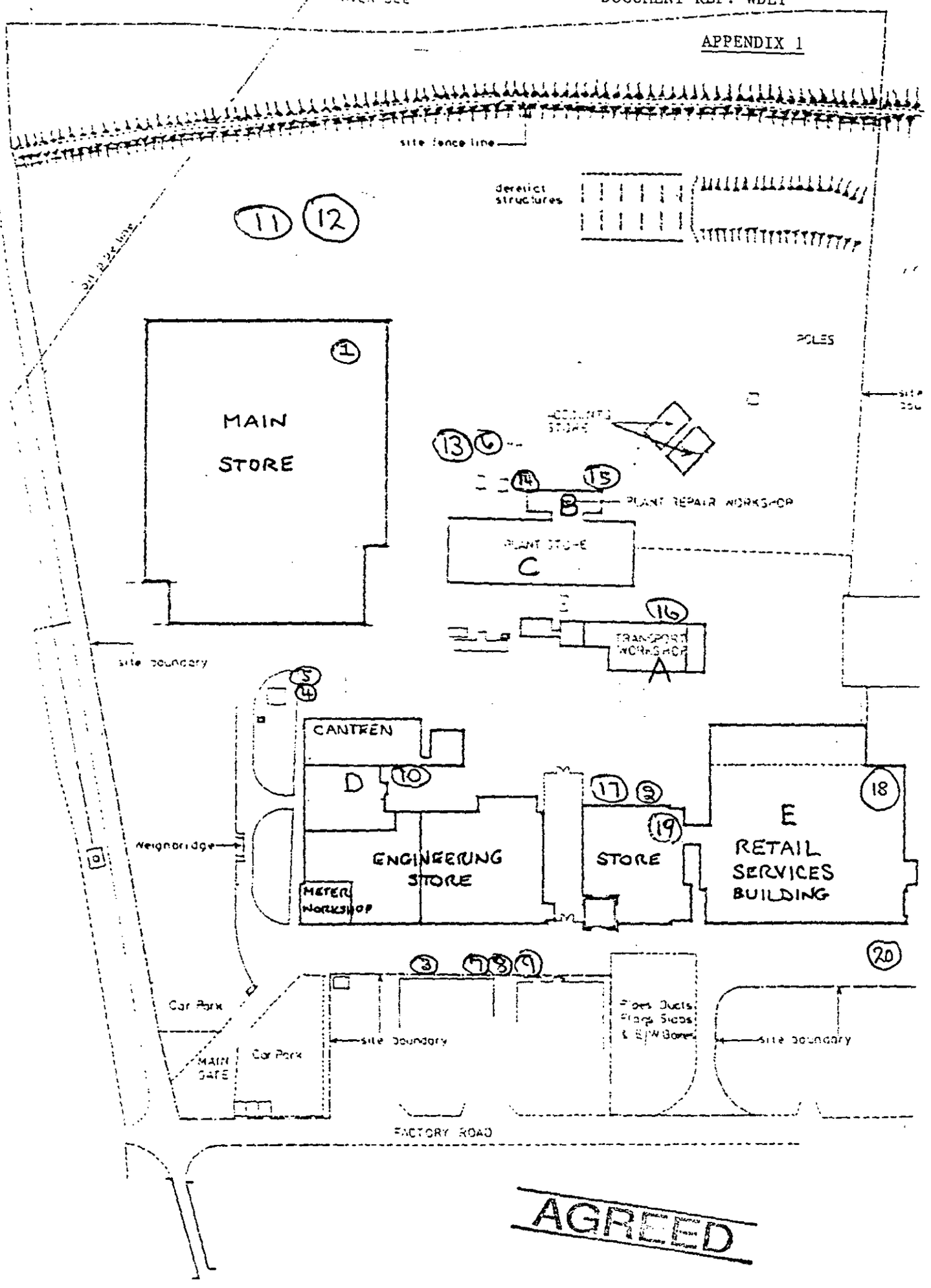
7. SITE MAINTENANCE

Foremen will carry out regular inspections of concreting, bunding and oil storage tanks as part of a regular site maintenance programme. Details of inspections will be recorded in a register which will be held in the foremen's site offices.

AGREED

DOCUMENT REF: WDL1

APPENDIX 1



AGREED

Manweb plc, March 1994

DOCUMENT REF: WDL 1
APPENDIX 2

MANWEB QUEENSFERRY DEPOT

DESCRIPTION OF WASTE BY LOCATION

WASTE LOCATION	WASTE DESCRIPTION
1.	Packing Materials - Mainly Cardboard and General Office Waste
2.	Packing Materials - Cardboard, Polythene, Polystyrene, Nylon Straps and General Office Waste
3, 4, 5.	Packing Materials - Cardboard, Polythene, Polystyrene, Nylon Straps, General Office Waste, Plastic and Timber
6.	Cardboard, Polythene, Bitumen Based Compound, Rags and General office Waste
7, 8, 9.	Scrap Meters and Steel Meter Panels
10.	Canteen Waste - Empty Food Tins and Other Packing Materials, Mainly Cardboard
11, 12.	Scrap Electrical Appliances
13.	Scrap Switchgear Casings
14.	Waste Transformer and Switchgear Oil for Reprocessing
15.	Scrap Transformers (Basically Complete Units)
16.	Waste Engine Oil
17.	Scrap Cable - Copper, Steel, Aluminium and P.V.C. Covering.
18.	Degassing Area for Refrigerators
19.	Area Reserved for any Hazardous Waste
20.	Scrap Electrical Appliances

AGREED

Manweb plc, March 1994

DOCUMENT REF: WDL 1
APPENDIX 3

MANWEB QUEENSFERRY DEPOT

DETAILS OF WASTE CONTAINERS AND CONTRACTORS

WASTE LOCATION	CONTAINER DESCRIPTION	EMPTYING FREQUENCE	DISPOSAL CONTRACTOR
1.	1 x 35 cubic yd. compactor skip	3 per week	Cleanaway, Deeside
2.	1 x 35 cu.yd. compactor skip	3 per week	Cleanaway, Deeside
3.	1 x 10 cu.yd. enclosed skip	3 per week	Cleanaway, Deeside
4.	1 x 10 cu.yd.enclosed skip	3 per week	Cleanaway, Deeside
5.	1 x 10 cu.yd. enclosed skip	3 per week	Cleanaway, Deeside
6.	1 x 10 cu.yd. enclosed skip	3 per week	Cleanaway , Deeside
7.	1 x 20 cu.yd. open skip	1 per month	Tanners
8.	1 x 20 cu.yd. open skip	1 per month	Tanners
9.	1 x 20 cu.yd. open skip	1 per month	Tanners
10.	1 x 3 cu.yd. open skip (tipped in compactor skip 1 or 2)	3 per week	Cleanaway, Deeside
11.	1 x 20 cu.yd. open skip	5 per week	Dobbins
12.	1 x 20 cu.yd. open skip	5 per week	Dobbins
13.	1 x 14 cu.yd. open skip	1 per week	Trident Metals, Sandycroft, Deeside
14.	1 x 14,000 litre waste oil tank (transformers and switchgear)	10 per annum	Burmah Castrol, Ellesmere Port
15.	Holding area for scrap transformers	1 per week	Trident Metals, Sandycroft, Deeside
16.	1 x 1,370 litre waste oil tank (engine oil)	3 per annum	Waste Oils Ltd., Liverpool
17.	1 x 20 cu.yd. open skip	12 per annum	William George, Rotheram
18.	Degassing area	All CFC gas is retained at present.	ICI Chemicals, Runcorn
19.	Hazardous waste area	-	-
20.	1 x 20 cu.yd. open skip	1 per week	Dobbins

Manweb plc, March 1994

AGREED

DOCUMENT REF: WDL 1
APPENDIX 4

MANWEB QUEENSFERRY DEPOT

ENGINE OIL REMOVAL AND STORAGE

INTRODUCTION

The operation of removing oil from vehicles is performed inside the Transport Workshop (marked A on Appendix 1). The waste oil is stored in a 1370 litre thickwall high density polyethylene tank at the rear of the workshop (marked 16 on Appendix1), but adjacent to the operation. This tank is bunded in accordance with current legislation.

DRAINAGE OF OIL

Waste engine oil is drained from the vehicle oil sump into a barrel shaped oil drainer which is located in a position underneath the oil sump. Other waste lubricants such as gear oil, oil from engine filters and brake fluid are also drained into the oil drainer. There are two oil drainers, one of 70 litres and the other of 104 litres capacity.

The oil drainer is then connected to a pipeline in the workshop and the waste oil contents are pumped under pressure to the 1370 litre waste storage tank.

SPILLAGE

Oil absorbent granules are used to soak up any spillage on the workshop floor and are then deposited in the 1 x 10 cubic yd. closed skip (marked 6 on Appendix 1). Rags used to soak up any other spillage on vehicle surfaces are also deposited in the same skip.

DISPOSAL OF WASTE

AGREED

The 1370 litre waste storage tank (marked 16 on Appendix 1) is emptied approximately 3 times per year. The operation is performed by Waste Oils Limited of Stockpit Road, Knowsley Industrial Park North, Liverpool, Merseyside L33 7TQ.

The 1 x 10 cubic yd closed skip (marked 6 on Appendix 1) is emptied approximately 3 times per week by Cleanaway of Deeside.

NEW ENGINE OIL

New engine oil is contained in a 1370 litre thickwall high density polyethylene bunded tank at the rear of the workshop. Oil is pumped into the workshop and is inserted directly into vehicles using a filling 'gun' with guage. Some of the new oil is pumped into a steel tank inside the workshop for 'topping-up' purposes.
The main storage tank is replenished approximately 3 times per year by Silkolene Products of Belper, Derbyshire on a 3 year contract basis.

Manweb plc, March 1994.

MANWEB QUEENSFERRY DEPOT

SCRAP CABLE

Scrap cable is collected from depots throughout the Manweb area and transported to Queensferry for disposal. Queensferry vehicles deliver new stocks to the stores at the depots approximately once per week and they collect the scrap cable in mini skips for the return journey.

At Queensferry, the mini-skips containing copper, aluminium and steel cable, and P.V.C. covering are emptied into a 20 cubic yd. open skip (marked 17 on Appendix 1). When the main skip is full, William George of Rotheram are called in to dispose of the waste. This occurs approximately 12 times per annum.

Skips are weighed before removal from the site.

SCRAP SWITCHGEAR AND CASINGS

Switchgear and casings, removed from electric substations, are transported to Queensferry on the vehicles which deliver new stocks to stores in the depots throughout Manweb's area. The switchgear and casings are initially stored in the Plant Store (marked C on Appendix 1).

The Workshop Engineer is then responsible for inspecting the items delivered to the Plant Store and identifying their potential for repair or modification. Any repairs or modifications are carried out in the Plant Repair Workshop (marked B on Appendix 1).

Scrapped parts of switchgear and casings are deposited in skip 13 (on Appendix 1) and collected by Trident Metals once per week. Any rags used in handling these items are deposited in skip 6 which is emptied by Cleanaway 3 times per week.

Skips are weighed before removal from the site.

AGREED

MANWEB QUEENSFERRY DEPOT

PLANT WORKSHOP

INSULATING OIL (STORAGE/DISPOSAL)

INTRODUCTION

Old transformers are brought into the Queensferry Depot by Manweb vehicles from all parts of the Manweb area for refurbishment or scrapping. They are deposited in an area adjacent to the Plant Workshop (marked B on Appendix 1) and are then examined and separated. The majority are refurbished and those earmarked for scrap are placed in a holding area (marked 15 on Appendix 1) for collection by Trident Metals of Sandycroft, Deeside.

Switchgear held in the Plant Store (see Appendix 5) is examined and items earmarked for repair or modification are transported to the adjacent Plant Workshop for work to be carried out. These items and transformers marked for refurbishment must have the old insulating oil removed within the confines of the Plant Workshop. The waste oil is stored in a 14,000 litre bulk storage tank (marked 14 on Appendix 1) adjacent to the operation. This tank is bunded in accordance with current legislation and is inspected on a monthly basis by the Plant Workshop supervisor.

OIL RECOVERY

Old insulating oil is recovered from old transformers and switchgear by use of electric pumps. These pumps are connected via hoses to the 14,000 litre external storage tank adjacent to the Plant Workshop. The condition of the equipment used (pumps and hoses) is checked prior to use to ensure that the items are in good condition and that spillage is kept to a minimum. Any item that is considered unacceptable is labelled "DO NOT USE" and corrective action is taken to restore the equipment to acceptable condition.

BITUMEN WASTE

AGREED

Switchgear contains bitumen based jointing compound used to protect cable joints and this has to be removed in the repair/modification process. It is melted down in the Plant Workshop, removed and then solidified into blocks before being deposited in the closed skip (marked 6 on Appendix 1) adjacent to the operation.

OIL SPILLAGE

Oil spillage is minimised by the use of leak-proof trays provided. These are subject to test/inspection as above. Any spillage is absorbed by the use of rags and absorbent granules, followed by the use of approved cleaners to remove any residue. The rags, granules and cleaners are disposed of in the closed skip (marked 6 on Appendix 1).

OLD OIL REMOVAL

Old insulating oil is removed from the 14,000 litre storage tank approximately 10 times per year by an approved licensed contractor. It is then reprocessed.
The 1 x 10 cubic yd. closed skip (marked 6 on Appendix 1) is emptied approximately 3 times per week by an approved licensed waste disposal contractor.

NEW OIL DELIVERY

New insulating oil for new and refurbished transformers is delivered in bulk containers by an approved licensed contractor and is pumped into a bulk storage tank adjacent to the Plant Workshop. The operation is overseen by a member of the Workshop staff who ensures that any spillage is removed from the area.

AGREED

MANWEB QUEENSFERRY DEPOT

WASTE APPLIANCES

INTRODUCTION

Manweb handle a large range of scrap appliances received from customers, local authorities, Manweb locations and schools. Types of appliances received are cookers, fridges, freezers, washing machines, vacuum cleaners.
All of the appliances are inspected and sorted on receipt, and decisions are then taken as to whether the appliances should be:

- Scrapped
- Refurbished by Manweb
- Sold for refurbishment by outside orgainsations
- Degassed (fridges) and scrapped

AGREED

APPLIANCES TO BE SCRAPPED

Items to be scrapped are placed in open skips (marked 11 and 12 and 20 on Appendix 1) and removed by Dobbins, a local dealer from Saltney Ferry. CFC's are removed from fridges by trained Manweb appliance repair staff before fridges are scrapped.
The skips are weighed at the Queensferry weighbridge prior to removal from the site.

REFURBISHMENT BY MANWEB

A limited number of appliances, mainly those returned by schools on completion of their hire term, and new appliances damaged in transit, are refurbished in the workshops within the Retail Services Building at Queensferry (marked E on Appendix 1). They are resold as downpriced items in Manweb shops.
Caustic soda is used in the cleaning process and is stored in two large open containers in the Retail Services Workshop. The containers are emptied periodically by Leigh Environmental Limited of Manchester.

SOLD FOR REFURBISHMENT BY OUTSIDE ORGANISATIONS

Used cookers and washing machines in good condition are segregated from the scrap appliances, sold and loaded on containers for collection by Kitchen Economy of Cardiff. As these items are intact, they are counted and documented prior to removal.
Kitchen Economy refurbish the appliances at their workshops and resell them. Occasionally, fridges in good condition are included with loads of cookers and washing machines. They are not degassed prior to removal.

A number of fridges in poor condition are selected by JBF Enterprises, a West African Company, for purchase by them and transportation to 'Third World' countries where they are refurbished and resold.
These fridges are not degassed before removal from the site.

CFC RECOVERY

Manweb recover chloro-fluro-carbon (CFC) refrigerant from scrap domestic refrigerators in the workshops within the Retail Services Building (marked E on Appendix 1). The CFC recovery procedure forms part of the Company's onsite operations and is not a separate commercial operation.
Scrap fridges are received from customers and local authorities and are inspected prior to CFC removal.

In a controlled environment, fridges are connected in groups of six to an RHS 10 reclaim station and the refrigerant is recovered, cleaned and filled into a cylinder located on the reclaim station in accordance with the procedure described in Attachment 1. This process is carried out in the Retail Services Building at point 18 on the Appendix 1 site plan.

When the RHS 10 reclaim units are full, they are transferred to an ICI cylinder which holds 50 kg. of CFC gas when full. This process is fully described in Attachment 2.

At present Manweb use all of the refrigerant recovered for repairs and regassing of non-scrap appliances.

AGREED

DOCUMENT REF: WDL 1
APPENDIX 7
ATTACHMENT 1

CFC RECOVERY UNIT - DAILY OPERATION

1. Open oil drain valve (9). Drain oil into suitable container. Result pressure gauge (5). Will fall to 1 bar on R12 indicator.

2. Close oil drain (9).

3. Open refrigerant outlet valve (8).

4. Open refrigerant inlet valve (10).

5. At the Lec Unit connect 6 units to hoses via piercing grips and open grip levers.
The 6 gauges will indicate unit pressure of R12.

6. Open the 6 valves (5).

7. Open main valve (4).

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8. Switch on unit at wall switch (6).
The mains light and compressor light (14) will come on. Pressure will drop on main gauge (1) and the six secondary gauges (2).

9. Switch on Avery L.E.D. Unit (2).
The unit will be able to transfer R12 from unit to ICI cylinder (7).

10. The Compressor Light (14) will switch on and off.

11. When the Lec unit gauges (1) & (2) drop to 20" of vacuum, close the grip levers and 6 valves Lec Unit (5) approximately 15 minutes after switching on unit.

12. Disconnect piercing grips (3).

13. Remove the six units and replace with another six.

14. Repeat steps (5A), 6 + 11 + 12
Until as a result of steps 1 to 14 unit cylinder (12) will slowly fill until it holds 4.5 kilo of R12 liquid.

15. When full the cylinder full light (13) will come on.

16. Timer (11) will operate.

17. ICI cylinder weight changes will show on Avery Unit LED.

    The weight change LED (12) will stop when time cuts out after pre-set time limit. * Note weight transfer to ICI cylinder will vary according to outside-inside temperature difference. On Avery Unit indicate rise from 0 to 120 PSI weight transfer will fall accordingly.

18. Allow 10 minutes then replace six units and continue process until end of operating time.

19. At end of operating time close piercing grip levers, six valves, main valve, refrigerant outlet valve (8), refrigerant inlet valve (10) then switch off unit at wall switch but do not remove the six units.

20. Start following days procedure with step (1).

AGREED

DOCUMENT REF: WDL 1. ATTACHMENT 1

A'GRAMKOW

instructions

Augustenborg Landevej 19
DK 6400 Sønderborg
Denmark

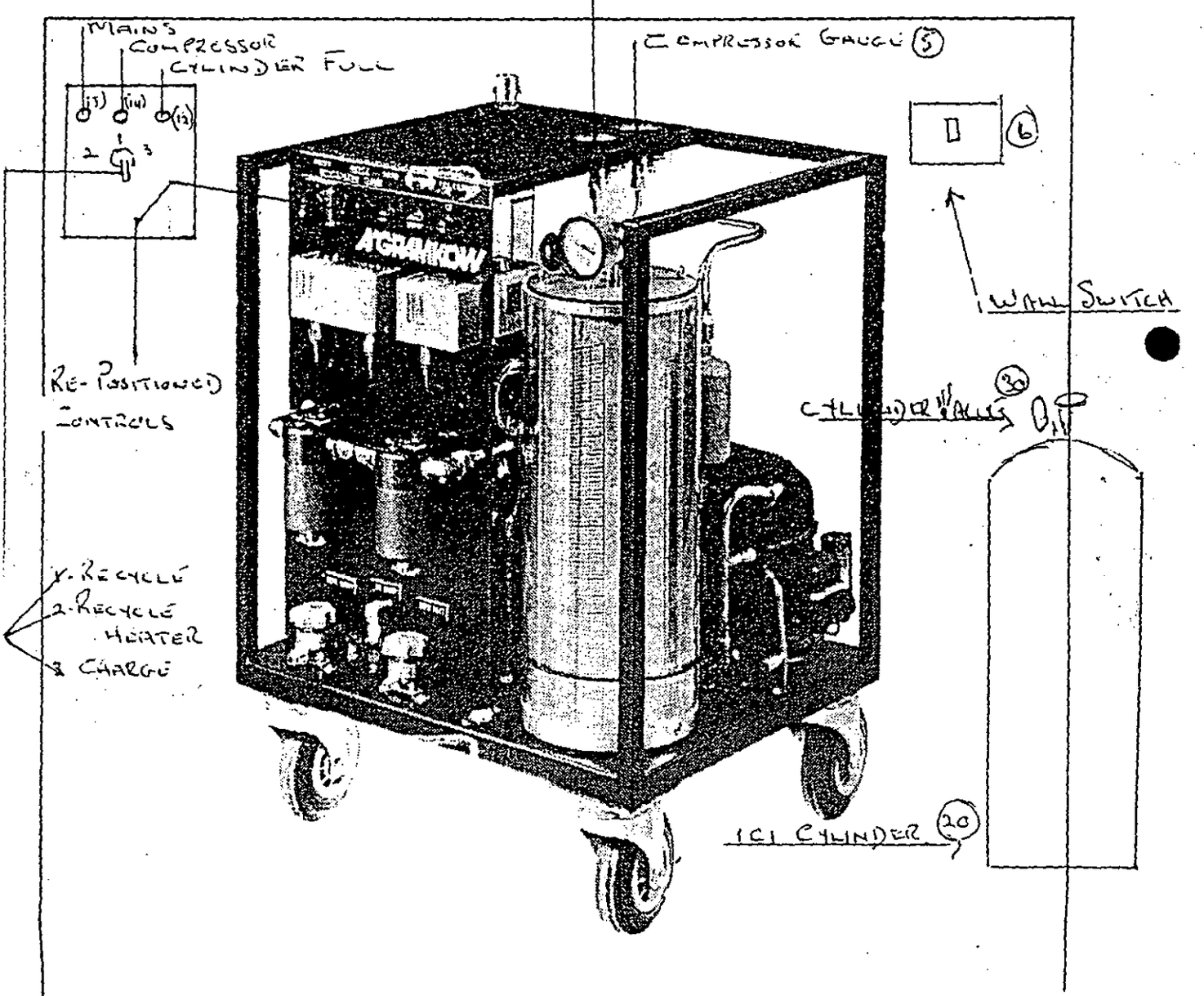
Telephone: +4 43 36 36
Telex: 5 23 18
Telefax: +4 43 36 46

Reclaim station – RHS 10

AGREED

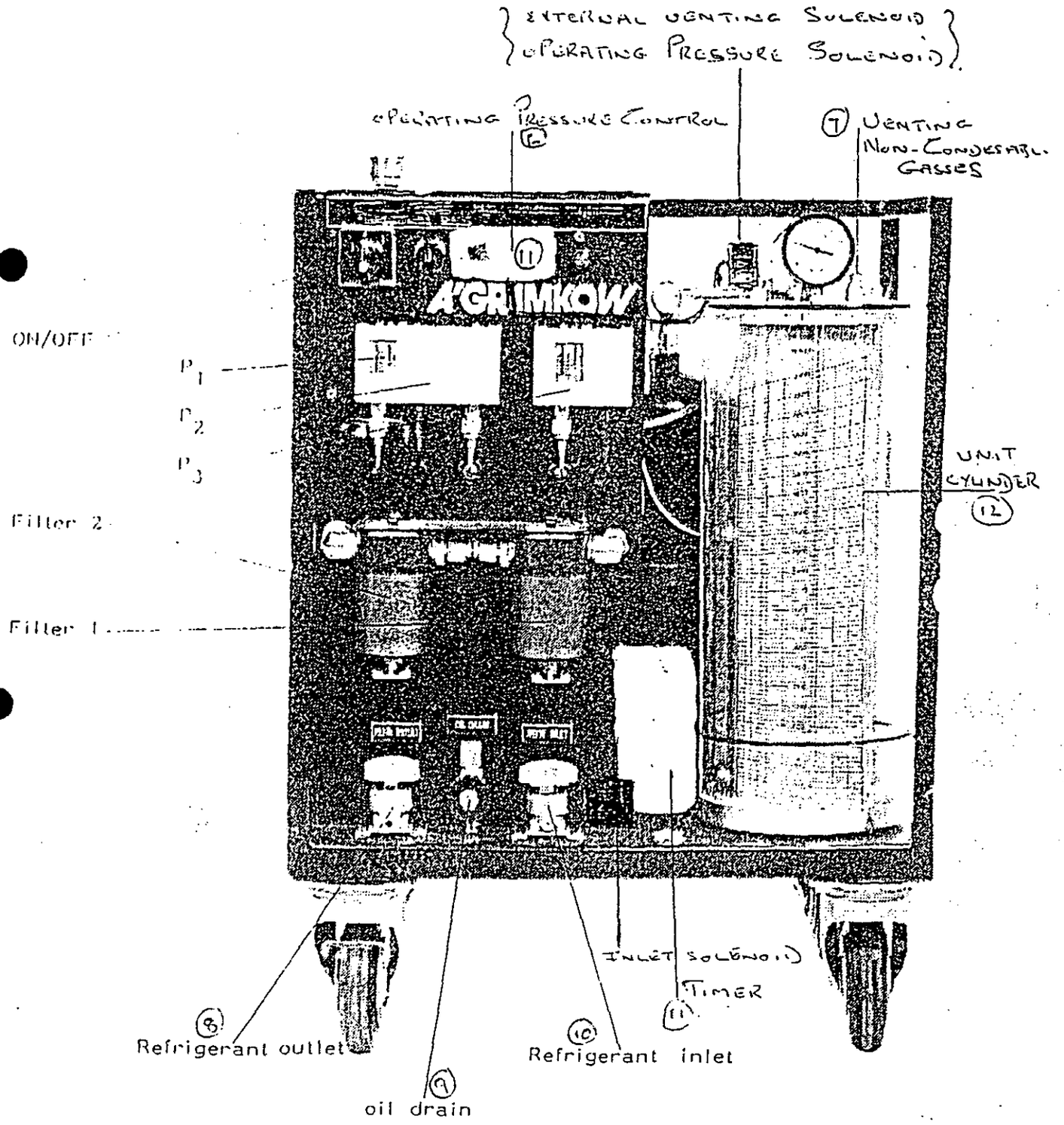
APPLICATION

This unit enables recovery of the refrigerant normally blown off. It automatically recovers and cleans the refrigerant and fills it into a cylinder. Afterwards the unit can be used as an accurate charging station.



DOCUMENT REF: WDL 1
ATTACHMENT 1

AGREED



DOCUMENT REF: WDL 1
APPENDIX 7
ATTACHMENT 2

PROCEDURE FOR SETTING UP L.E.D. UNIT AND RUNNING UNIT

1. Switch on main switch (2).
   The self test will appear on pre-set tare (9).
   Wait press zero key will appear on pre-set tare (9).

2. Place ICI cylinder on scales. Replace bars.
   Weight of hose will appear on main weight display (12).

3. Check tare weight on ICI cylinder (20).

4. Press pre-set tare and clear.

5. Press pre-set tare and 2.

AGREED

6. Press in tare weight on ICI cylinder (say 28.60).
   Always press in decimal point and last number (in this case 0). If tare weight is 28.00 you must press in the last two numbers (00).

7. Press store and enable.
   Trips 1 for fill weight and trips 2 for overfill weight have been pre-set. However, if these need resetting for some reason press trips 1 50.00 store and enable trips 2, 50.50, store and enable.
   On sets you will see net and trips lit up.
   Main display weight, tare weight and pre-set tare.

8. Switch on key (1).
   At end of day switch off key (1). Key (2) will be left on.
   The only time you should need to open up unit is if ICI pressure gauge (19) is too high (usually 110-120 PSIG. This will only occur when ICI cylinder is nearing full weight 50.000 KG and is indicated as that CFC's will not transfer from unit cylinder (12) to ICI cylinder.

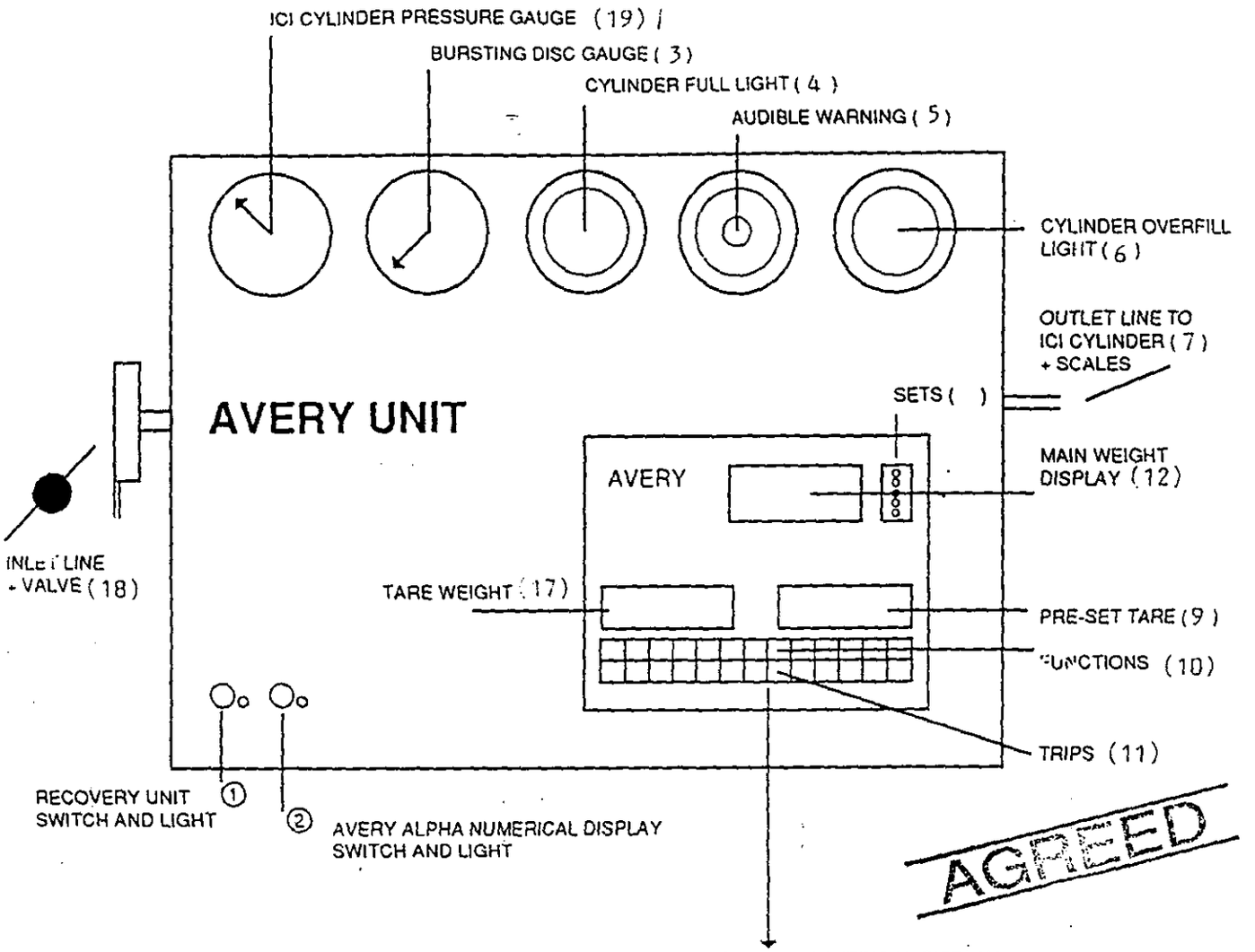
   The remedy to this is to close inlet line valve (22) and open venting valve (21). Pressure will then slowly drop. Wait until pressure shows 90-100 PSIG. Close venting valve (21). Open inlet line valve (22) then proceed as normal.

   When ICI cylinder holds 50.00KG cylinder full light (4) will pulsate on and off. Audible warning (5) will sound. If W sight reaches 50.50 KG cylinder overfill light (6) will also come on.

   Close inlet line valve (22). Close ICI cylinder valve (30). Switch off key (1). Remove ICI cylinder. Replace with new cylinder which must be evacuated then start from step (2).

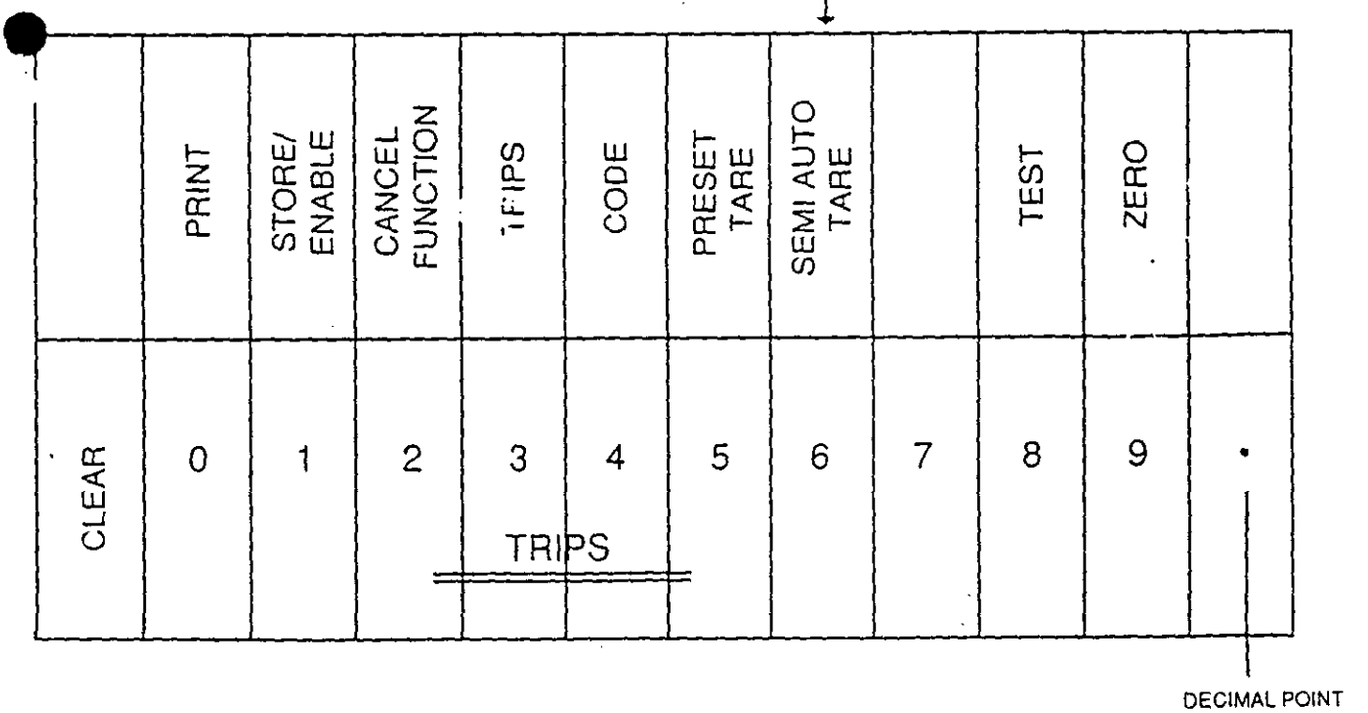
DOCUMENT REF: .WDL 1
ATTACHMENT 2

AVERY L202 UNIT



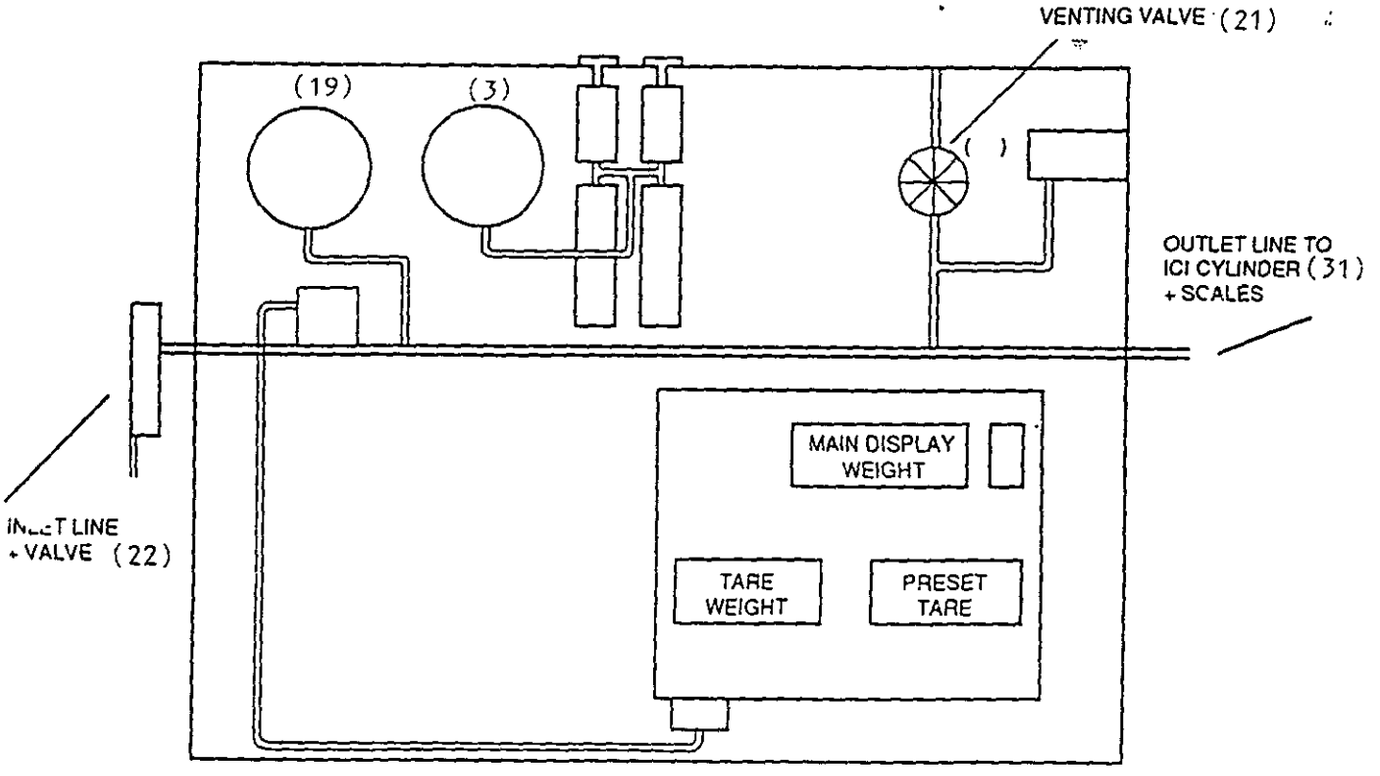
AGREED

BLOW UP OF ALPHA NUMERICAL DISPLAY



DOCUMENT REF: WDL. 1 ATTA CHMENT 2

AVERY L202 UNIT INNER SET UP



AGREED

MOLD AND CHESTER (WEST)