

Chapter 10b

Water balance component data by resource zone

Section 2

Chapter 10b (tables (i/ii))

Guidance

Note: This table and the following guidance are issued in AIR08 for information only and as a guide to potential future reporting requirements. No company return or reporter commentary is required for AIR08. The information requirements below reflect the current reporting requirements in England and Wales. When Articles relating to water resource management plans are commenced by DRD Water Policy Division, NIW will be required to provide similar information.

Tables 10b (i and ii) cover the annual review submission to the Environment Agency. The Environment Agency will use the information that companies provide to report on water supply during the year and on the work that companies have been carrying out on their water resources plans.

Water companies should submit out-turn data for the period from April 2007 to March 2008 using the table 10b(i). The table allows companies to report out-turns against supply/demand components. Companies should report annual average out-turns for all resource zones that were operational in the reported year.

Where critical period forecasts were submitted as part of the 2004 water resources plans, companies are asked to submit peak period information for the out-turn year in table 10b(ii). Where companies provide a peak submission, they must also include a graph showing the daily demand profile for the year. In zones that are sensitive to peak demands, peak information should be provided even if 2007-08 presented no peak issues for the company. Resource zones should be entered into the information capture system in alphabetical order. In all cases the total column should reflect the overall company-wide position and must be consistent with company level data in the other Ofwat tables.

Companies should include an explanation of water balance reconciliation adjustments indicating which components have been modified and how this has been done. We expect companies to use the Maximum Likelihood Estimation (MLE) method for making adjustments. Companies should provide details of how the reconciliation has been applied at resource zone level. We recognise that the sum of resource zone values in table 10b (such as total leakage) may not equal the company total data in table 10. Lines 3, 8, 13, 14, 15 and 16 in table 7 are calculated lines. They are the sum of their equivalent lines for zonal data submitted in table 10b(i). We consider it is reasonable that the sum of the zonal data should equal the company-wide totals.

The total company leakage (from table 10, line 25) should also be reported in table 10b commentary.

The estimate of outage over the reporting year must be provided in line 2. Companies should explain in the commentary how they estimated actual outage.

The majority of the components in table 10b are the same as those used in the full Water Resources Planning Guideline tables. Definitions for the components of table 10b can be found at the end of this document

Company commentary

1. Commentary on the out-turn data

All water companies should provide a commentary about the data. This report on the supply-demand balance needs to stand alone and must not refer back to the other tables in the Ofwat June return. It will be passed in its entirety to the Environment Agency who will scrutinise and report on the supply-demand balance information as in previous years.

The commentary should include an explanation of the out-turn data, outlining any exceptions and reasons for substantial differences in data when compared to previous years. As a minimum the commentary should include:

- an overview of the year including progress in water supply planning at resource zone and company level;
- a summary statement explaining how the reported year compares to the dry year scenario used for water resources planning, in terms of factors that influence supply and demand;
- details of any change in the resource zones in operation during the out-turn year;
- details of any changes to planned outage, including the new figure and how it has been derived.
- an explanation of any water balance reconciliation adjustments done at both resource zone and company level including detail of the components that have been adjusted and how this has been done;
- details should also be given about any work that needs to be undertaken during 2008-09.

Additional supporting information should also be provided where this serves to illustrate a particular issue.

2. Progress on further work

Companies should provide information on the progress they have made against the headings listed below. Information should be at the resource zone level. Companies should also provide an update on the progress made against any milestones for 2007-08 that were included in the schedule of work submitted to the Environment Agency in November 2004.

- **Sustainability reductions** – Companies should report on progress made in investigating impacts or implementing solutions at sites agreed with or specified by us. This should include those sites identified in the 1999 National Environment Programme where work is still outstanding. Companies should report any reductions in deployable output that occurred during 2007-08 in order to meet their statutory/environmental obligations.
- **Water efficiency initiatives** – Companies should provide information on the range of initiatives and promotions undertaken including numbers of properties and people involved, results of audits, and details of savings/costs. Companies should also report on progress against water efficiency targets set by Ofwat in August 2007.
- **Resource zone leakage** – Companies should provide their long-term resource zone economic level of leakage values and an explanation of how the figures were derived. Companies should also report what measures are being used to control resource zone leakage including mains replacement, number of reported/detected leaks and bursts, changes in the number and size of DMAs, pressure reduction (specifically AZNP), and methods of active leakage control. The total company leakage figure (from table 10) and an explanation of how it was calculated should also be provided.

- **Metering** - Companies should report progress on metering and include the numbers of metered household and non-household properties by a category. As a minimum companies must report on optants, selective, change of occupancy and new households. Further categories may be added as required. Companies should provide, for each resource zone, both the annual increase in metered properties and the end of year totals for each category.
- **Measured and unmeasured population, pcc and occupancy rate** - Companies should give an explanation for the derivation and sources of information in table 10b for the lines listed below. Unmeasured and measured household population (lines 23 and 26), unmeasured and measured household properties (lines 24 and 27), unmeasured and measured household occupancy rate (lines 25 and 28), and unmeasured and measured household pcc (lines 42 and 46).
- **Distribution and production developments** - Companies should report on distribution-side or production-side developments where work has been carried out over the reported year.
- **Resource Developments** – Companies should report on resource developments where work has been carried out over the reported year. This should include improvements to existing licensed sources, and details of any changes to the scheme costs originally identified.
- **Changes in policy / planning and forecasting assumptions** - We expect that any major policy assumption changes will have been included in the 2004 water resources plans. However, companies should identify any changes made during 2007-08 that have had an influence on operation of the company's supply system.

3. Changes to water company water resources plans

In 2009 all companies will publish their new statutory Water Resources Management Plans to replace the existing 2004 water resources plans. In the table 10b commentary we expect that companies will only need to record significant changes to their existing plans covering the period to December 2009. The information needed on these changes will depend on the nature and scale of the changes. Companies should discuss this with their local Environment Agency Water Resources Planners and agree what needs to be included in their June return commentary:-

Guidance for Reporters

The Reporters should:

- confirm or otherwise that the company have calculated the fields correctly as outlined in the definitions below;
- confirm or otherwise that company wide totals in table 10b (i) compare to corresponding lines elsewhere in the submission. These can be found in table 7 and 10. Where the total company data can be directly calculated from the zonal level data in table 7 the processing rules for this data have been amended in table 7; and
- comment on company explanations for differences between out turn data and corresponding water resources plan data.

Table 10b i/ii lines 1 to 55
A BASIC RESOURCES

1	Deployable output	MI/d	2dp
Definition	The output of a commissioned source or group of <i>sources</i> or of bulk supply as constrained by: <ul style="list-style-type: none"> • environment • licence, if applicable • pumping plant and/or well/aquifer properties • raw water mains and/or aquifers • transfer and/or output main • treatment • water quality 		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50000/C		
Responsibility	Environment Agency		

2	Outage allowance	MI/d	2dp
Definition	A temporary loss of deployable output. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50005		
Responsibility	Environment Agency		

3	Water available for use	MI/d	2dp
Definition	Deployable output minus actual outage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 1 minus line 2		
Reference	BN50010		
Responsibility	Environment Agency		

B RAW WATER

4	Raw water abstracted	MI/d	2dp
Definition	Raw Water Abstracted is taken from the Point of Chargeable Abstraction, and together with Raw Water Imported less Raw Water Exported, constitutes Raw Water Collected (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50015		
Responsibility	Environment Agency		

5	Raw water exported	MI/d	2dp
Definition	Raw water exported from the forecast geographical area to outside the forecast geographical area. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50020		
Responsibility	Environment Agency		

6	Raw water retained	MI/d	2dp
Definition	Raw water abstracted minus raw water exported.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 4 minus line 5		
Reference	BN50025		
Responsibility	Environment Agency		

7	Raw water imported	MI/d	2dp
Definition	Raw water imported from outside the forecast geographical area to the geographical area. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50030		
Responsibility	Environment Agency		

8	Raw water collected	MI/d	2dp
Definition	Raw water retained plus raw water imported		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 6 plus line 7		
Reference	BN50035		
Responsibility	Environment Agency		

9	Raw water losses	MI/d	2dp
Definition	Net loss to the resource system(s) being considered, comprised of mains/aqueduct (pressure system) losses, open channel/low pressure system losses, and losses from break-pressure tanks and small reservoirs. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50040		
Responsibility	Environment Agency		

10	Raw water operational use	MI/d	2dp
Definition	Regular washing-out of mains due to sediment build up and poor quality of source water. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50045		
Responsibility	Environment Agency		

11	Non potable supplies	MI/d	2dp
Definition	All non-potable water supplied to supply area. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50050		
Responsibility	Environment Agency		

12	Raw water into treatment	MI/d	2dp
Definition	Raw water into treatment works.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 8 minus line 9 minus line 10 minus line 11		
Reference	BN50055		
Responsibility	Environment Agency		

C POTABLE WATER TO POINT OF DELIVERY

13	Treatment works losses	MI/d	2dp
Definition	Made up of structural water loss and both continuous and intermittent over-flows (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50060		
Responsibility	Environment Agency		

14	Treatment works operational use	MI/d	2dp
Definition	Treatment process water – i.e., net loss that excludes water returned to source water. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50065		
Responsibility	Environment Agency		

15	Potable water produced	MI/d	2dp
Definition	Raw water into treatment less treatment work operational use and treatment work losses. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 12 minus line 13 minus line 14		
Reference	BN50070		
Responsibility	Environment Agency		

16	Potable water imports	MI/d	2dp
Definition	Potable water imports from outside the geographical area to the forecast geographical area. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50075		
Responsibility	Environment Agency		

17	Potable water exports	MI/d	2dp
Definition	Potable water from within the forecast geographical area to an area outside the geographical area. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50080		
Responsibility	Environment Agency		

18	Distribution input	MI/d	2dp
Definition	The amount of water entering the distribution system at the point of production. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50085		
Responsibility	Environment Agency		

19	Distribution losses	MI/d	2dp
Definition	Made up of losses on trunk mains, service reservoirs, distribution mains and communications pipes. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50090		
Responsibility	Environment Agency		

20	Water taken	MI/d	2dp
Definition	Distribution input minus distribution losses. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 18 minus line 19		
Reference	BN50095		
Responsibility	Environment Agency		

21	Distribution system operational use	MI/d	2dp
Definition	Water knowingly used by a company to meet its statutory obligations particularly those relating to water quality. Examples include mains flushing and air scouring. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>). The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50100		
Responsibility	Environment Agency		

22	Water delivered	MI/d	2dp
Definition	Water delivered to the point of delivery.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 20 minus line 21		
Reference	BN50105		
Responsibility	Environment Agency		

D POTABLE WATER CUSTOMER BASE

23	Unmeasured household - population	000	3dp
Definition	Average resident population in billed households supplied with unmeasured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50110		
Responsibility	Environment Agency		

24	Unmeasured household - properties	000	3dp
Definition	Average number of households billed for unmeasured water within the supply area.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50115		
Responsibility	Environment Agency		

25	Unmeasured household –occupancy rate	h/pr	2dp
Definition	Average population per household property supplied with unmeasured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 23 divided by line 24		
Reference	BN50120		
Responsibility	Environment Agency		

26	Measured household – population	000	3dp
Definition	Average resident population in billed households supplied with measured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50125		
Responsibility	Environment Agency		

27	Measured household - properties	000	3dp
Definition	Average number of households billed for measured water within the supply area.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50130		
Responsibility	Environment Agency		

28	Measured household – occupancy rate	h/pr	2dp
Definition	Average population per household property supplied with measured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 26 divided by line 27		
Reference	BN50135		
Responsibility	Environment Agency		

29	Unmeasured non-household population	000	3dp
Definition	Average resident population in billed non-households supplied with unmeasured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50140		
Responsibility	Environment Agency		

30	Unmeasured non-household properties	000	3dp
Definition	Average number of non-households billed for unmeasured water within the supply area.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50145		
Responsibility	Environment Agency		

31	Measured non-household population	000	3dp
Definition	Average resident population in billed non-households supplied with measured water.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50150		
Responsibility	Environment Agency		

32	Measured non-household properties	000	3dp
Definition	Average number of non-households billed for measured water within the supply area.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50155		
Responsibility	Environment Agency		

33	Total population	000	3dp
Definition	The sum of total average household and non-household population.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated field: sum of lines 23, 26, 29 and 31		
Reference	BN50160		
Responsibility	Environment Agency		

34	Void household properties	000	2dp
Definition	Average number of household properties, within the supply area, which are connected to the distribution system but do not receive a charge as there are no occupants.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50165		
Responsibility	Environment Agency		

35	Void non household properties	000	2dp
Definition	Average number of non-household properties, within the supply area, which are connected to the distribution system but do not receive a charge as there are no occupants.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50170		
Responsibility	Environment Agency		

36	Total properties	000	2dp
Definition	The sum of total average household and non-household properties including void properties.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: the sum of lines 24,27, 30, 32, 34 and 35		
Reference	BN50175		
Responsibility	Environment Agency		

E POTABLE WATER DELIVERED

37	Water taken unbilled	MI/d	2dp
Definition	Water taken legally unbilled plus water taken illegally unbilled (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 22 minus line 38		
Reference	BN50180		
Responsibility	Environment Agency		

38	Water delivered billed	MI/d	2dp
Definition	Water delivered less water taken unbilled. It can be split into unmeasured household, measured household, unmeasured non-household and measured non-households water delivered billed. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: the sum of lines 39,43, 47 and 50		
Reference	BN50185		
Responsibility	Environment Agency		

39	Unmeasured household water delivered	MI/d	2dp
Definition	Average volume of water delivered to households billed for unmeasured water within the supply area. This is to include supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50190		
Responsibility	Environment Agency		

40	Unmeasured household – uspl	MI/d	2dp
Definition	Estimated underground supply pipe leakage for households that are supplied with unmeasured water. This figure applies to billed unmeasured households. Underground supply pipe leakage is any loss of water from the underground supply pipe.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50195		
Responsibility	Environment Agency		

41	Unmeasured household – consumption	MI/d	2dp
Definition	Estimated consumption of households that are supplied with unmeasured water. This figure applies to billed unmeasured households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: the sum of line 39 minus line 40		
Reference	BN50200		
Responsibility	Environment Agency		

42	Unmeasured household - pcc	l/h/d	2dp
Definition	Estimated per capita consumption of households that are supplied with unmeasured water. This figure applies to billed unmeasured households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 41 multiplied by 1,000 divided by line 23		
Reference	BN50205		
Responsibility	Environment Agency		

43	Measured household water delivered	MI/d	2dp
Definition	Average volume of water delivered to households billed for measured water within the supply area. This is to include supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50210		
Responsibility	Environment Agency		

44	Measured household -uspl	MI/d	2dp
Definition	Estimated underground supply pipe leakage for households that are supplied with measured water. This figure applies to billed measured households. Underground supply pipe leakage is any loss of water from the underground supply pipe. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50215		
Responsibility	Environment Agency		

45	Measured household – consumption	MI/d	2dp
Definition	Estimated consumption of households that are supplied with measured water. This figure applies to billed measured households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 43 minus line 44		
Reference	BN50220		
Responsibility	Environment Agency		

46	Measured household – pcc	l/h/d	2dp
Definition	Estimated per capita consumption of households that are supplied with measured water. This figure applies to billed measured households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 45 multiplied by 1,000 divided by line 26		
Reference	BN50225		
Responsibility	Environment Agency		

47	Unmeasured non-household water delivered	MI/d	2dp
Definition	Average volume of water delivered to non-households that are supplied with unmeasured water. This is to include supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50230		
Responsibility	Environment Agency		

48	Unmeasured non-household –uspl	MI/d	2dp
Definition	Estimated underground supply pipe leakage for non-households that are supplied with unmeasured water. This figure applies to billed unmeasured households. Underground supply pipe leakage is any loss of water from the underground supply pipe. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50235		
Responsibility	Environment Agency		

49	Unmeasured non-household –consumption	MI/d	2dp
Definition	Estimated consumption of non-households that are supplied with unmeasured water. This figure applies to billed unmeasured non-households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 47 minus line 48		
Reference	BN50240		
Responsibility	Environment Agency		

50	Measured non-household water delivered	MI/d	2dp
Definition	Average volume of water delivered to non-households that are supplied with measured water. This is to include supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50245		
Responsibility	Environment Agency		

51	Measured non-household -uspl	MI/d	2dp
Definition	Estimated underground supply pipe leakage for non-households that are supplied with unmeasured water. This figure applies to billed non-measured households. Underground supply pipe leakage is any loss of water from the underground supply pipe. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50250		
Responsibility	Environment Agency		

52	Measured non-household – consumption	MI/d	2dp
Definition	Estimated consumption of non-households that are supplied with measured water. This figure applies to billed measured non-households and excludes underground supply pipe leakage.		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 50 minus line 51		
Reference	BN50255		
Responsibility	Environment Agency		

53	Void properties – uspl	MI/d	2dp
Definition	Estimated underground supply pipe leakage for void households and non-households. Underground supply pipe leakage is any loss of water from the underground supply pipe. The annual average (MI/d).		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Input		
Reference	BN50260		
Responsibility	Environment Agency		

F LEAKAGE

54	Total leakage	MI/d	2dp
Definition	The sum of distribution losses and underground supply pipe losses. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: the sum of lines 19, 40, 44, 48, 51 and 53		
Reference	BN50265		
Responsibility	Environment Agency		

55	Total leakage	l/prop/d	2dp
Definition	The sum of distribution losses and underground supply pipe losses. (UKWIR/NRA (1995) <i>Demand Forecasting Methodology - Main Report</i>)		
Primary Purpose	Environment Agency analysis of supply/demand balance		
Processing rule	Calculated: line 54 multiplied by 1,000 divided by line 36		
Reference	BN50270		
Responsibility	Environment Agency		

CHANGE CONTROL SHEET
CHAPTER 10b

2008/1.0	First issue of chapter for the SBP period