

LANDFILL LEVY (NON-WEIGHBRIDGE)
2006-07 QUARTERLY STATEMENT
made under Sections 50SB and 50U of the *Environment Protection Act 1970*

EPA licence number						
Name of licence holder						
Premises situated at						
In the Municipality of						
Quarter being reported (✓ relevant box)	July– September		October– December		January– March	
Due Date	31 December 2006		31 March 2007		30 June 2007	

**This form is only to be used where material was NOT able to be weighed.
See below for further instructions.**

Please note that failure to submit your statement and accompanying payment by the due date may result in enforcement action in accordance with the *Environment Protection Act 1970*.

1. LANDFILL LEVY CALCULATION (See Note 1)

Category of material deposited		Tonnes deposited in the quarter	Levy rate from Tables 1 and 2	Levy amount	
Total municipal waste (See Note 2 & 3)	W_M	x	\$ =	\$	A
Industrial waste (See Note 2, 3 & 4):					
Commercial & industrial waste		TONNES			
Building & demolition waste		TONNES			
Total industrial waste	W_I	x	\$ =	\$	B
Total prescribed industrial waste (See Note 3):	W_P	x	\$ 26 =	\$	C
Quarterly levy (excluding cover rebate)			A + B + C =	\$	D

2. LEVY REBATE CALCULATION

Cover rebate		Municipal rebate rate from Table 2	Cover rebate amount
Quarterly cover material rebate (See Note 5)	0.15 X	$(W_M + W_I + W_P)$	X
Was any cover material sourced on-site? (Y/N)	<input type="checkbox"/> Yes, what percentage of cover material was sourced on-site? →		%
	<input type="checkbox"/> No		
How many tonnes of cover (in total) were sourced off-site?			TONNES
For landfills licensed to receive LLCS and that use it as cover, how many tonnes of LLCS was used as cover?			TONNES

3. NETT LANDFILL LEVY PAYABLE

NETT PAYMENT
(Payment amount)
(See Note 6)

D - **E** = \$

4. STATEMENT AUTHORISATION

The details provided in this statement are true and correct and I have read and understood the instructions for completing the statement (see notes 7 to 10 inclusive).

Sufficient records have been kept to enable the calculation of the amount of levy that is payable.

This statement must be certified by CEOs, Company Directors/Secretaries or other authorised officer. A contact name and phone number must also be supplied.

Signature		Position	
Name		Date	
Contact Name		Phone No	

FAILING TO KEEP SUFFICIENT RECORDS FOR THE CALCULATION OF LEVY MAY RENDER YOU LIABLE TO A FINE OF UP TO \$64,458 (SECTION 50V OF THE ENVIRONMENT PROTECTION ACT 1970).

PROVISION OF FALSE OR MISLEADING INFORMATION IS AN INDICTABLE OFFENCE WHICH CARRIES A PENALTY OF \$257,832, IMPRISONMENT FOR TWO YEARS OR BOTH (SECTION 50W OF THE ENVIRONMENT PROTECTION ACT 1970).

Instructions for completing this Statement:

- This form is only to be used where deposited material was NOT able to be weighed.
- Weight of municipal waste 'W_M' must include all municipal waste deposited in the landfill, this includes any clean soil used as cover material received from off-site sources. This does not include material used to construct the landfill or material won on site. Where the use of suitable industrial waste is expressly permitted to be used as cover material, the weight of the cover material must be included under 'W_I'.

3. Where a licence specifically permits the use of prescribed industrial waste, such as low-level contaminated soil, to be used as cover material, the weight of the cover material must be included under 'WP'.
4. Tonnages of building & demolition waste and industrial & commercial waste should be reported separately if possible. Levies for both categories of waste are to be calculated at the applicable industrial waste levy rate.
 $B = \text{Total tonnage of industrial waste} \times \text{applicable levy rate for industrial waste}$
5. The rebate for cover material is to be calculated from the formula in Section 50SAB of the *Environment Protection Act 1970*, i.e.:
 $E = 0.15 \times \text{Total tonnage of all waste categories} \times \text{levy rate for municipal waste}$
6. The payment amount is to be calculated from the formula:
 $\text{payment amount} = \text{quarterly levy (D)} - \text{cover material rebate (E)}$
7. The completed form is to be returned together with payment on or before the due date.
 PLEASE MAKE CHEQUE PAYABLE TO: 'Environment Protection Authority'
 POST TO: Landfill Levy, EPA, GPO Box 4395QQ MELBOURNE VIC 3001

EFT payments can be made to the following account:

Account name: Environment Protection Authority Revenue Account

BSB Number. AU033 222

Account number. 131 007

Important – all EFT payments must clearly identify the licence number and quarterly period.

8. Late payments incur penalties under the *Penalty Interest Rates Act 1983*. The Authority may reject improperly completed forms and any accompanying payment which may then generate a liability for penalty interest if the completed form is received after the due date.
9. EPA Publication 332 (as amended from time to time), *Calculating the landfill levy and recycling rebates*, provides additional information about completing this Statement.
10. Should you require further assistance in completing this statement please contact your EPA client manager in the first instance.

TABLE 1: MUNICIPAL DISTRICTS TO WHICH SECTION 50S(1) APPLIES
 (per Schedule C of the *Environment Protection Act 1970*)

Banyule	Casey	Hobson's Bay	Melbourne	Port Phillip
Bayside	Greater Dandenong	Hume	Melton	Stonnington
Ballarat	Darebin	Kingston	Monash	Whitehorse
Greater Bendigo	Frankston	Knox	Moonee Valley	Whittlesea
Boroondara	Greater Geelong	Manningham	Moreland	Wyndham
Brimbank	Glen Eira	Maribyrnong	Mornington Peninsula	Yarra
Cardinia	Golden Plains	Maroondah	Nillumbik	Yarra Ranges

TABLE 2: AMOUNT PAYABLE AS LANDFILL LEVY
 (per Schedule D of the *Environment Protection Act 1970*)

Date when waste is deposited	Amount payable for each tonne deposited (in dollars)				
	Schedule C Premises		Non-Schedule C Premises		Premises licensed for the discharge or deposit to land of prescribed industrial waste
	Municipal waste	Industrial waste	Municipal waste	Industrial waste	
On or after 1 July 2006 and before 1 July 2007	8	13	6	11	26



ATTACHMENT TO QUARTERLY LANDFILL LEVY STATEMENT

WORKSHEET FOR ESTIMATES OF TONNAGES WHERE WASTE WAS NOT ABLE TO BE WEIGHED.

1. METHOD OF ESTIMATION OF DEPOSITED TONNAGE

For landfills where deposited material was not able to be weighed, the tonnage deposited in the quarter must be estimated by one of the following means.

1. Estimate by volume as delivered.
2. Estimate based on last year's volume ('Divide by 4')
3. Estimate by airspace volume survey.
4. Estimate by site-specific method approved in writing by the Authority.

Please note that all waste mass estimates must be based on accurate site records which may be subject to audit by the Authority.

Additionally please note that the mass of Prescribed Industrial Waste must be calculated separately¹ from other wastes.

Did you receive prescribed industrial waste in the quarterly levy period?

Yes, Go to Section 2

No, Go to Section 3, 4, 5 or 6
Record 'o' at W_p and C in Part 1 of this form

2. PRESCRIBED WASTE AS REPORTED ON WASTE TRANSPORT CERTIFICATES

2.1 Determine the quarterly volume of prescribed industrial waste

Calculate the volume of prescribed industrial waste¹ deposited in the quarterly levy period

Volume of 'type 1' prescribed industrial waste deposited	m ³	PV₁
Volume of 'type 2' prescribed industrial waste deposited	m ³	PV₂
Volume of 'type 3' prescribed industrial waste deposited	m ³	PV₃
Total volume of prescribed industrial waste deposited in the quarterly levy period	PV₁ + PV₂ + PV₃ =	m ³ V_{PW}

Where:

- PV₁** = prescribed industrial waste 'type 1' volume deposited (m³/quarterly levy period)
- PV₂** = prescribed industrial waste 'type 2' volume deposited (m³/quarterly levy period)
- PV₃** = prescribed industrial waste 'type 3' volume deposited (m³/quarterly levy period)
- V_{PW}** = total volume of prescribed industrial waste deposited in the quarterly levy period

¹ The calculation of the mass of prescribed industrial must be based upon volumes declared in Part C of the waste transport certificates lodged with the Authority, using densities quoted in Footnote 2 (per Publication 332d).

2.2 Determine the quarterly weight of prescribed industrial waste

Calculate the mass² of prescribed industrial waste deposited in the quarterly levy period

Weight of 'type 1' prescribed industrial waste deposited	$PV_1 \times 0.4 =$	tonnes	PW_1
Weight of 'type 2' prescribed industrial waste deposited	$PV_2 \times 1.0 =$	tonnes	PW_2
Weight of 'type 3' prescribed industrial waste deposited	$PV_3 \times 1.0 =$	tonnes	PW_3
Total weight of all prescribed industrial waste deposited in the quarterly levy period	$PW_1 + PW_2 + PW_3 =$	tonnes	W_p

Where:

PW_1 = prescribed industrial waste 'type 1' mass deposited in quarterly levy period

PW_2 = prescribed industrial waste 'type 2' mass deposited in quarterly levy period

PW_3 = prescribed industrial waste 'type 3' mass deposited in quarterly levy period

W_p = weight of all prescribed industrial waste deposited in the quarterly levy period

Transfer subtotal W_p to Part 1 of this form

3. ESTIMATE BY VOLUME AS DELIVERED

3.1 Site survey data

Were reliable surveys of site airspace volume performed at your site at the beginning and end of the 2005–06 financial year?

Yes, Go to 3.2

No, Complete Section 6

3.2 Calculating the compaction factor f from data for financial year 2005–06

Do you wish to use the default compaction factor ' f ' (0.55) for your site?

Yes, Go to 3.3

Record the value 0.55 in the box labelled ' f ' in 3.3.1

No, Go to 3.2.1

You must determine the compaction factor for your site and submit evidence to the EPA.

² The default waste density is 1.0 tonnes/m³. If the licensee believes the density of waste is equal to or is less than 1.0, then the value of 1.0 should be used. If the operator believes that the site-specific density is not 1.0, then it should be determined and used (evidence will be required to support a site-specific density).

The in-ground cover density is assumed to be 1.4 tonnes/m³.

3.2.1 Calculate your compaction factor using 2005–06 survey data:

	<i>L</i>		<i>G</i>		
Determine the compaction factor	$m^3 \div$		$m^3 =$		<i>f</i>

Where:

- L =** total volume of airspace filled over the 2005–06 financial year. The value of *L* must be derived from a reliable site survey.
- G =** total volume of waste recorded at the gate over the 2005–06 financial year. The value of *G* must be based on accurate records of delivered waste volumes and supported by appropriate records.

Please submit documentation supporting your calculation of an alternative compaction factor to EPA

3.3 Estimate the weight of all wastes (W_{est}) (excluding prescribed industrial waste)

3.3.1 Estimate the weight of waste

	<i>V</i>		<i>f</i>		ρ_w				
	m^3	\times	\times		tonnes/ m^3	$=$		tonnes	W_{aw}

Where:

- V =** volume of waste material deposited (excluding prescribed industrial waste³ and cover material) in the quarterly levy period (based on systematic and accurate estimates of delivered load volume on arrival)
- f =** use the default value of 0.55; or use the compaction factor calculated in Section 3.2.1 where you believe the density is other than the default. Where you use a calculated value, evidence must be submitted to the EPA to support your claim.
- ρ_w =** 1.0 tonnes/ m^3 is the default density² of waste; or you may use an alternative figure where you believe the density is other than the default. You must submit evidence to the EPA to support your claim.

3.3.2 Estimate the weight of cover

	<i>V_c</i>				ρ_c				
		m^3	\times		tonnes/ m^3	$=$		tonnes	W_c

Where:

- V_c =** volume of cover material (excluding prescribed industrial waste³) in the quarterly levy period (based on systematic and accurate estimates of delivered load volume on arrival)
- ρ_c =** 1.4 tonnes/ m^3 is the default in-ground density² of cover; or you may use an alternative figure where you believe the density is other than the default. You must submit evidence to EPA to support your claim.

Determine the weight of all wastes (excluding prescribed industrial waste)	W_{aw}	$+$	W_c	$=$		tonnes	W_{est}
--	----------	-----	-------	-----	--	--------	-----------

³ Cover material tonnage is included as municipal waste; note that PIW used as cover must be included in the calculation of PW_{est} in Section 2 of this attachment.

3.4 Estimation of the municipal and industrial waste proportions

Determine the split between municipal and industrial waste from accurate gate records.

% of waste (W_{est}) calculated in 3.3 that is municipal waste ³		%	%W
Weight of municipal waste	$W_{est} \times (\%W / 100) =$	tonnes	W_M
Weight of industrial waste	$W_{est} - W_M =$	tonnes	W_I

Transfer subtotals W_M and W_I to Part 1 of this form

4. WEIGHT ESTIMATION BY THE 'DIVIDE BY 4' METHOD

4.1 Calculate the waste volume (excluding prescribed industrial waste) deposited in 2005–06

Calculate the volume of airspace filled in 2005–06 from survey data (including cover material but excluding the volume occupied by prescribed industrial waste).

V_A	$PV_A \times f$		
m^3	$(PV_A \times 0.55) =$	m^3	V

Where:

- V_A = volume of airspace filled in 2005–06 from survey data (*includes all landfilled waste materials*)
- PV_A = volume of airspace filled by prescribed industrial waste in 2005–06 (*from Part C of waste transport certificates lodged with the Authority*)
- f = the default value is 0.55; or, where you believe the density is other than the default, you may use an alternative value. Where you use an alternative calculated value, evidence must be submitted to EPA to support your claim.

4.2 Calculate the mass of waste (excluding prescribed industrial waste)

Determine the 'anticipated' quarterly waste mass (excluding prescribed industrial waste)

V	ρ		
$(m^3 \div 4) \times$	$tonnes/m^3 =$	tonnes	$W/4_{est}$

Where:

- V = volume of airspace filled in 2005–06 from survey data (*includes cover material but excludes volume occupied by prescribed industrial waste*)
- ρ = the in-ground density of waste ($tonnes/m^3$); default value = 1.1 unless site-specific verifiable data indicates otherwise.

4.3 Estimation of the municipal and industrial waste proportions

Determine the split between municipal and industrial waste from accurate gate records

% of waste ($W/4_{est}$) calculated in 4.3 that is municipal waste ³		%	%W/4
Weight of municipal waste	$W/4_{est} \times$	$(\text{\%W/4} / 100) =$	tonnes W_M
Weight of industrial waste	$W/4_{est} -$	W_M =	tonnes W_I

Transfer subtotals W_M and W_I to Part 1 of this form

5. WEIGHT ESTIMATION BY THE SITE SURVEY METHOD

5.1 Calculate the volume of waste (excluding prescribed industrial waste) deposited in the reported quarter

Calculate the volume of airspace filled in the reported quarter from survey data (including cover material but excluding the volume occupied by prescribed industrial waste)¹

V_A		$V_{PW} \times f$	
m^3	$-$	$(V_{PW} \times 0.55) =$	m^3 V

Where:

- V_A = volume of airspace filled in the reported quarter (*includes all waste materials*)
- V_{PW} = volume of airspace filled by prescribed industrial waste in the reported quarter calculated in 2.1
- V = surveyed volume of airspace filled in the reported quarter (*includes cover material but excludes volume occupied by prescribed industrial waste*).

5.2 Calculate the mass of waste (excluding prescribed industrial waste)

Determine the waste mass deposited in the reported quarter (excluding prescribed industrial waste)¹

V		ρ	
m^3	\times	tonnes/ m^3 =	tonnes WS_{est}

Where:

- V = surveyed volume of airspace filled in the reported quarter (*includes cover material but excludes volume occupied by prescribed industrial waste*)
- ρ = the in-ground density of waste (tonnes/ m^3); *Default value = 1.1 unless site-specific verifiable data indicates otherwise*

5.3 Estimation of the municipal and industrial waste proportions

Determine the split between municipal and industrial waste from accurate gate records

% of waste (WS_{est}) calculated in 5.2 that is municipal waste ³			%	%WS
Weight of municipal waste	WS_{est}	x	$(\text{ %WS } / 100) =$	tonnes W_M
Weight of industrial waste	WS_{est}	-	W_M	= tonnes W_I

Transfer subtotals W_M and W_I to Part 1 of this form

6. WEIGHT ESTIMATION BY SITE-SPECIFIC METHOD APPROVED IN WRITING BY THE AUTHORITY (APPROVED ALTERNATE METHOD)

Estimated tonnage deposited in the quarter (excluding prescribed industrial waste) ³				W_{SS}
% of Waste (W_{SS}) that is municipal waste ³			%	%WM_{SS}
Weight of municipal waste	W_{SS}	x	$(\text{ %WM_{SS} } / 100) =$	tonnes W_M
Weight of industrial waste	W_{SS}	-	W_M	= tonnes W_I

Transfer subtotals W_M and W_I to Part 1 of this form