

# Appendix C

## C&I and CD&EW Data

The following tables shows the breakdown of data obtained from the WDI and how the total C&I arisings and CD&EW arisings for 2015-2020 were calculated. It should be read in conjunction with the methodology in appendix B. All figures have been rounded to the nearest tonne. Due to the limitations of the data source used, the estimates can only be regarded as an approximate indicator of C&I Waste arising and CD&EW arising in the Black Country. The WDI only records information on 'controlled' waste received at permitted waste sites regulated by the Environment Agency in the specified calendar year.

The Environment Agency 'Basic Waste Categories' are as follows: Hhold/ Ind/ Com = Household, Industrial and Commercial Waste, Inert/ C&D = Inert/ Construction and Demolition Waste. Hazardous Waste has been excluded from the estimate to avoid double-counting as this is regarded as a separate waste stream and actual data on Hazardous Waste Arisings is reported separately

### 2020 C&I Waste Arisings

Table C.1 Waste Received at Permitted Waste Sites in England in 2020 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>266,173</b>	<b>464,029</b>	<b>372,718</b>	<b>278,541</b>	<b>1,381,462</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	-3	-3
Minus Agricultural Wastes (sub chapter of EWC 02)	-263	-183	-45	-577	-1,069
Minus C&D Wastes (EWC 17)	0	0	0	0	0
Minus Secondary / Treatment Wastes (EWC 19)	-78,692	-181,722	-48,227	-109,254	-417,895
Minus Municipal Wastes (EWC 20)	-174,179	-265,660	-275,834	-138,918	-854,590
Non-household C&I waste (% varies for each WPA)	18,049	21,443	20,652	18,648	78,793
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>31,089</b>	<b>37,907</b>	<b>69,265</b>	<b>48,437</b>	<b>186,698</b>
<b>Inert/ C&amp;D - All</b>	<b>105,686</b>	<b>77,415</b>	<b>128,457</b>	<b>282,246</b>	<b>593,804</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	-2	0	-2

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	0
Minus C&D Wastes (EWC 17)	-105,686	-75,981	-122,041	-261,840	-565,548
Minus Secondary / Treatment Wastes (EWC 19)	0	-1,423	-161	-20,081	-21,664
Minus Municipal Wastes (EWC 20)	0	0	-2	-267	-269
<b>Inert/ C&amp;D - Sub Total</b>	<b>0</b>	<b>10</b>	<b>6,252</b>	<b>59</b>	<b>6,321</b>
<b>Grand Total</b>	<b>31,089</b>	<b>37,917</b>	<b>75,517</b>	<b>48,496</b>	<b>193,019</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020

Table C.2 Waste Received at Permitted Waste Sites in England in 2020 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>2,819,939</b>
Minus Mine and Quarry Wastes (EWC 01)	-270
Minus Agricultural Wastes (sub chapter of EWC 02)	-4,292
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-1,022,857
Minus Household Wastes (EWC20)	-1,299,633
Non-household C&I waste	127,836
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>620,722</b>
<b>Inert/ C&amp;D - All</b>	<b>1,756,881</b>
Minus Mine and Quarry Wastes (EWC 01)	-599
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-1,658,921

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
Minus Secondary Wastes (EWC 19)	-14,534
Minus Household Wastes (EWC20)	-72,911
<b>Inert/ C&amp;D - Sub Total</b>	<b>9,915</b>
<b>Grand Total</b>	<b>630,637</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020  
 Figures include Origin 'West Midlands Estimated' records from the 2020 WDI

**Table C.3 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2020 - Apportionment to Black Country Authorities**

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2020 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>630,637</b>					
<b>Apportionment to Black Country %</b>	4.48%	4.10%	3.54%	3.36%	<b>15.48%</b>
<b>Apportionment to Black Country (tonnes)</b>	28,253	25,856	22,325	21,189	<b>97,623</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020, NOMIS Business Counts 2020, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19) and Municipal Wastes (EWC 20). Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2020: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

**Table C.4 Summary - Estimated C&I Waste Arising in the Black Country in 2020 (tonnes)**

C&I Waste Arisings - Source of Evidence	Estimated C&I Waste Arisings in 2020 by WPA (tonnes)				Estimated C&I Waste Arisings in 2020 - Black Country Total (tonnes)
	Dudley	Sandwell	Walsall	Wolverhampton	
C&I Waste Origin Codeable to Black Country Authorities	31,089	37,917	75,517	48,496	<b>193,019</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	28,253	25,856	22,325	21,189	<b>97,623</b>
<b>Total</b>	<b>59,342</b>	<b>63,773</b>	<b>97,841</b>	<b>69,685</b>	<b>290,641</b>

Environment Agency Waste Data Interrogator (WDI) 2020, NOMIS Business Counts 2020, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting such as C&I Waste managed in-house by businesses or waste re-used or recycled by businesses as part of an industrial process.

## 2020 CD&EW Waste Arisings

Table C.5 Waste Received at Permitted Waste Sites in England in 2020 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)

Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>266,173</b>	<b>464,029</b>	<b>372,718</b>	<b>278,541</b>	<b>1,381,462</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	3	3
CD&EW Only (EWC 17)	0	0	0	0	0
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>
<b>Inert/ C&amp;D - All</b>	<b>105,686</b>	<b>77,415</b>	<b>128,457</b>	<b>282,246</b>	<b>593,804</b>
Mine and Quarry Waste Only (EWC 01)	0	0	2	0	2
CD&EW Only (EWC 17)	105,686	75,981	122,041	261,840	565,548
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>105,686</b>	<b>75,981</b>	<b>122,043</b>	<b>261,840</b>	<b>565,550</b>
<b>Grand Total</b>	<b>105,686</b>	<b>75,981</b>	<b>122,043</b>	<b>261,843</b>	<b>565,553</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020

Table C.6 Waste Received at Permitted Waste Sites in England in 2020 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	<b>2,819,939</b>
Mine and Quarry Waste Only (EWC 01)	270
CD&EW Only (EWC 17)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17) - Sub Total</b>	<b>270</b>
<b>Inert/ C&amp;D - All</b>	<b>1,756,881</b>
Mine and Quarry Waste Only (EWC 01)	599
CD&EW Only (EWC 17)	1,658,921

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Inert/ C&amp;D (EWC 01, 17) - Sub Total</b>	<b>1,659,521</b>
<b>Grand Total</b>	<b>1,659,791</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020

Table C.7 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2020 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2020 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>1,659,791</b>					
<b>Apportionment to Black Country %</b>	5.96%	4.02%	4.48%	3.60%	<b>18.06%</b>
<b>Apportionment to Black Country (tonnes)</b>	<b>98,924</b>	<b>66,724</b>	<b>74,359</b>	<b>59,752</b>	<b>299,758</b>

Environment Agency Waste Data Interrogator (WDI) 2020, NOMIS Business Counts 2020, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01) and CD&EW (EWC 17) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2020: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

Table C.8 Summary - Estimated CD&EW Arising in the Black Country in 2020 (tonnes)

CD&EW Waste Arisings - Source of Evidence	Estimated CD&EW Waste Arisings in 2020 by WPA (tonnes)				Estimated CD&EW Waste Arisings in 2020 - Black Country Total (tonnes)
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	105,686	75,981	122,043	261,843	<b>565,553</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	98,924	66,724	74,359	59,752	<b>299,758</b>
<b>Total</b>	<b>204,609</b>	<b>142,705</b>	<b>196,402</b>	<b>321,596</b>	<b>865,312</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2020, NOMIS Business Counts 2020, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting, such as CD&EW managed on-site as part of land remediation, engineering or construction projects.

## 2019 C&I Waste Arisings

Table C.9 Waste Received at Permitted Waste Sites in England in 2019 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>266,816</b>	<b>466,746</b>	<b>354,865</b>	<b>255,927</b>	<b>1,344,354</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural Wastes (sub chapter of EWC 02)	-170	-1,123	-78	-263	<b>-1,634</b>
Minus C&D Wastes (EWC 17)	0	0	0	0	<b>0</b>
Minus Secondary / Treatment Wastes (EWC 19)	-84,040	-185,939	-45,859	-81,460	<b>-397,298</b>
Minus Municipal Wastes (EWC 20)	- 170,586	-261,402	- 270,486	-145,233	<b>-847,707</b>
Non-household C&I waste (% varies for each WPA)	18,538	25,531	22,263	23,668	<b>90,000</b>
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>30,559</b>	<b>43,813</b>	<b>60,706</b>	<b>52,638</b>	<b>187,715</b>
<b>Inert/ C&amp;D - All</b>	<b>150,365</b>	<b>87,123</b>	<b>61,803</b>	<b>239,751</b>	<b>539,043</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	<b>0</b>
Minus C&D Wastes (EWC 17)	- 150,363	-81,869	-60,660	-239,597	<b>-532,489</b>
Minus Secondary / Treatment Wastes (EWC 19)	0	-5,238	-362	0	<b>-5,600</b>
Minus Municipal Wastes (EWC 20)	0	-1	0	-150	<b>-152</b>
<b>Inert/ C&amp;D - Sub Total</b>	<b>2</b>	<b>16</b>	<b>781</b>	<b>3</b>	<b>802</b>
<b>Grand Total</b>	<b>30,561</b>	<b>43,829</b>	<b>61,486</b>	<b>52,641</b>	<b>188,517</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019

Table C.10 Waste Received at Permitted Waste Sites in England in 2019 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,322,305</b>
Minus Mine and Quarry Wastes (EWC 01)	-596
Minus Agricultural Wastes (sub chapter of EWC 02)	-926
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-1,225,572
Minus Household Wastes (EWC20)	-1,567,792
Non-household C&I waste	177,010
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>704,430</b>
<b>Inert/ C&amp;D - All</b>	<b>2,050,454</b>
Minus Mine and Quarry Wastes (EWC 01)	-257
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-1,916,382
Minus Secondary Wastes (EWC 19)	-8,598
Minus Household Wastes (EWC20)	-110,226
<b>Inert/ C&amp;D - Sub Total</b>	<b>14,990</b>
<b>Grand Total</b>	<b>719,420</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019  
 Figures include Origin 'West Midlands Estimated' records from the 2019 WDI

Table C.11 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2019 - Apportionment to Black Country Authorities

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2019 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>719,420</b>					
<b>Apportionment to Black Country %</b>	4.51%	4.15%	3.58%	3.44%	<b>15.68%</b>

<b>West Midlands Not Codeable Waste - Estimated C&amp;I Waste Arising in 2019 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country (tonnes)</b>	32,446	29,856	25,755	24,748	<b>112,805</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019, NOMIS Business Counts 2019, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19) and Municipal Wastes (EWC 20). Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2019: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

Table C.12 Summary - Estimated C&I Waste Arising in the Black Country in 2019 (tonnes)

<b>C&amp;I Waste Arisings - Source of Evidence</b>	<b>Estimated C&amp;I Waste Arisings in 2019 by WPA (tonnes)</b>				<b>Estimated C&amp;I Waste Arisings in 2019 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
C&I Waste Origin Codeable to Black Country Authorities	30,561	43,829	61,486	52,641	<b>188,517</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	32,446	29,856	25,755	24,748	<b>112,805</b>
<b>Total</b>	<b>63,007</b>	<b>73,684</b>	<b>87,241</b>	<b>77,389</b>	<b>301,322</b>

Environment Agency Waste Data Interrogator (WDI) 2019, NOMIS Business Counts 2019, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting such as C&I Waste managed in-house by businesses or waste re-used or recycled by businesses as part of an industrial process.

### 2019 CD&EW Waste Arisings

Table C.13 Waste Received at Permitted Waste Sites in England in 2019 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)

<b>Basic Waste Category</b>	<b>Origin WPA - Tonnes</b>				<b>Black Country Total</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>266,816</b>	<b>466,746</b>	<b>354,865</b>	<b>255,927</b>	<b>1,344,354</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	0	<b>0</b>
CD&EW Only (EWC 17)	0	0	0	0	<b>0</b>
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>



Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Inert/ C&amp;D - All</b>	<b>150,365</b>	<b>87,123</b>	<b>61,803</b>	<b>239,751</b>	<b>539,043</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	0	0
CD&EW Only (EWC 17)	150,363	81,869	60,660	239,597	<b>532,489</b>
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>150,363</b>	<b>81,869</b>	<b>60,660</b>	<b>239,597</b>	<b>532,489</b>
<b>Grand Total</b>	<b>150,363</b>	<b>81,869</b>	<b>60,660</b>	<b>239,598</b>	<b>532,489</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019

Table C.6 Waste Received at Permitted Waste Sites in England in 2019 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,322,305</b>
Mine and Quarry Waste Only (EWC 01)	596
CD&EW Only (EWC 17)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17) - Sub Total</b>	<b>596</b>
<b>Inert/ C&amp;D - All</b>	<b>2,050,454</b>
Mine and Quarry Waste Only (EWC 01)	257
CD&EW Only (EWC 17)	1,916,382
<b>Inert/ C&amp;D (EWC 01, 17) - Sub Total</b>	<b>1,916,640</b>
<b>Grand Total</b>	<b>1,917,236</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019

Table C.14 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2019 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2019 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>1,917,236</b>					
<b>Apportionment to Black Country %</b>	5.91%	3.88%	4.45%	3.67%	<b>17.91%</b>

<b>CD&amp;EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2019 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country (tonnes)</b>	<b>113,309</b>	<b>74,389</b>	<b>85,317</b>	<b>70,363</b>	<b>343,377</b>

Environment Agency Waste Data Interrogator (WDI) 2019, NOMIS Business Counts 2019, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01) and CD&EW (EWC 17) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2019: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

**Table C.15 Summary - Estimated CD&EW Arising in the Black Country in 2019 (tonnes)**

<b>CD&amp;EW Waste Arisings - Source of Evidence</b>	<b>Estimated CD&amp;EW Waste Arisings in 2019 by WPA (tonnes)</b>				<b>Estimated CD&amp;EW Waste Arisings in 2019 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	150,363	81,869	60,660	239,598	<b>532,489</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	113,309	74,389	85,317	70,363	<b>343,377</b>
<b>Total</b>	<b>263,671</b>	<b>156,257</b>	<b>145,977</b>	<b>309,960</b>	<b>875,866</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2019, NOMIS Business Counts 2019, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting, such as CD&EW managed on-site as part of land remediation, engineering or construction projects.

## 2018 C&I Waste Arisings

Table C.16 Waste Received at Permitted Waste Sites in England in 2018 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>186,444</b>	<b>356,125</b>	<b>274,517</b>	<b>175,563</b>	<b>992,649</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural Wastes (sub chapter of EWC 02)	-66	-12,075	-108	-80	<b>-12,329</b>
Minus C&D Wastes (EWC 17)	0	0	0	0	<b>0</b>
Minus Secondary / Treatment Wastes (EWC 19)	-87,403	-130,406	-59,582	-82,552	<b>-359,942</b>
Minus Municipal Wastes (EWC 20)	-84,510	-208,678	-	-76,895	<b>-545,961</b>
			175,878		
Non-household C&I waste (% varies for each WPA)	8,990	18,739	15,414	12,227	<b>55,371</b>
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>23,456</b>	<b>23,705</b>	<b>54,362</b>	<b>28,264</b>	<b>129,787</b>
<b>Inert/ C&amp;D - All</b>	<b>56,036</b>	<b>146,602</b>	<b>39,584</b>	<b>237,830</b>	<b>480,052</b>
Minus Mine and Quarry Wastes (EWC 01)	0	-108	0	0	<b>-108</b>
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	<b>0</b>
Minus C&D Wastes (EWC 17)	-56,034	-142,566	-39,577	-226,918	<b>-465,096</b>
Minus Secondary / Treatment Wastes (EWC 19)	0	-2,924	0	-59	<b>-2,983</b>
Minus Municipal Wastes (EWC 20)	0	-985	0	-10,852	<b>-11,837</b>
<b>Inert/ C&amp;D - Sub Total</b>	<b>1</b>	<b>20</b>	<b>7</b>	<b>0</b>	<b>28</b>
<b>Grand Total</b>	<b>23,457</b>	<b>23,725</b>	<b>54,369</b>	<b>28,264</b>	<b>129,815</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018

Table C.2 Waste Received at Permitted Waste Sites in England in 2018 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,186,360</b>
Minus Mine and Quarry Wastes (EWC 01)	-562
Minus Agricultural Wastes (sub chapter of EWC 02)	-31,107
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-1,501,786
Minus Household Wastes (EWC20)	-1,275,403
Non-household C&I waste	141,198
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>518,700</b>
<b>Inert/ C&amp;D - All</b>	<b>2,260,973</b>
Minus Mine and Quarry Wastes (EWC 01)	-58
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-2,129,572
Minus Secondary Wastes (EWC 19)	-8,607
Minus Household Wastes (EWC20)	-105,446
<b>Inert/ C&amp;D - Sub Total</b>	<b>17,290</b>
<b>Grand Total</b>	<b>535,990</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018  
 Figures include Origin 'West Midlands Estimated' records from the 2018 WDI

Table C.17 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2018 - Apportionment to Black Country Authorities

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2018 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>535,990</b>					
<b>Apportionment to Black Country %</b>	4.47%	4.13%	3.54%	3.55%	<b>15.69%</b>

<b>West Midlands Not Codeable Waste - Estimated C&amp;I Waste Arising in 2018 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country (tonnes)</b>	23,959	22,136	18,974	19,028	<b>84,097</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018, NOMIS Business Counts 2018, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19) and Municipal Wastes (EWC 20). Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2018: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

**Table C.18 Summary - Estimated C&I Waste Arising in the Black Country in 2018 (tonnes)**

<b>C&amp;I Waste Arisings - Source of Evidence</b>	<b>Estimated C&amp;I Waste Arisings in 2018 by WPA (tonnes)</b>				<b>Estimated C&amp;I Waste Arisings in 2018 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
C&I Waste Origin Codeable to Black Country Authorities	23,457	23,725	54,369	28,264	<b>129,815</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	23,959	22,136	18,974	19,028	<b>84,097</b>
<b>Total</b>	<b>47,416</b>	<b>45,862</b>	<b>73,343</b>	<b>47,291</b>	<b>213,912</b>

Environment Agency Waste Data Interrogator (WDI) 2018, NOMIS Business Counts 2018, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting such as C&I Waste managed in-house by businesses or waste re-used or recycled by businesses as part of an industrial process.

## 2018 CD&EW Waste Arisings

**Table C.19 Waste Received at Permitted Waste Sites in England in 2018 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)**

<b>Basic Waste Category</b>	<b>Origin WPA - Tonnes</b>				<b>Black Country Total</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>186,444</b>	<b>356,125</b>	<b>274,517</b>	<b>175,563</b>	<b>992,649</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	0	<b>0</b>
CD&EW Only (EWC 17)	0	0	0	0	<b>0</b>
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Inert/ C&amp;D - All</b>	<b>56,036</b>	<b>146,602</b>	<b>39,584</b>	<b>237,830</b>	<b>480,052</b>
Mine and Quarry Waste Only (EWC 01)	0	108	0	0	<b>0</b>
CD&EW Only (EWC 17)	56,034	142,566	39,577	226,918	<b>465,096</b>
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>56,034</b>	<b>142,674</b>	<b>39,577</b>	<b>226,918</b>	<b>465,096</b>
<b>Grand Total</b>	<b>56,034</b>	<b>142,674</b>	<b>39,578</b>	<b>226,918</b>	<b>465,096</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018

Table C.20 Waste Received at Permitted Waste Sites in England in 2018 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	3,186,360
Mine and Quarry Waste Only (EWC 01)	562
CD&EW Only (EWC 17)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17) - Sub Total</b>	<b>562</b>
<b>Inert/ C&amp;D - All</b>	<b>2,260,973</b>
Mine and Quarry Waste Only (EWC 01)	58
CD&EW Only (EWC 17)	2,129,572
<b>Inert/ C&amp;D (EWC 01, 17) - Sub Total</b>	<b>2,129,630</b>
<b>Grand Total</b>	<b>2,130,192</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018

Table C.21 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2018 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2018 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>2,130,192</b>					
<b>Apportionment to Black Country %</b>	5.91%	3.88%	4.45%	3.67%	<b>17.91%</b>

<b>CD&amp;EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2018 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country (tonnes)</b>	125,894	82,651	94,794	78,178	<b>381,517</b>

Environment Agency Waste Data Interrogator (WDI) 2018, NOMIS Business Counts 2018, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01) and CD&EW (EWC 17) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2018: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

**Table C.22 Summary - Estimated CD&EW Arising in the Black Country in 2018 (tonnes)**

<b>CD&amp;EW Waste Arisings - Source of Evidence</b>	<b>Estimated CD&amp;EW Waste Arisings in 2018 by WPA (tonnes)</b>				<b>Estimated CD&amp;EW Waste Arisings in 2018 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	56,034	142,674	39,578	226,918	<b>465,204</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	125,894	82,651	94,794	78,178	<b>381,517</b>
<b>Total</b>	<b>181,929</b>	<b>225,326</b>	<b>134,371</b>	<b>305,096</b>	<b>846,721</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2018, NOMIS Business Counts 2018, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting, such as CD&EW managed on-site as part of land remediation, engineering or construction projects.

## 2017 C&I Waste Arisings

Table C.23 Waste Received at Permitted Waste Sites in England in 2017 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	189,898	395,044	237,944	202,256	<b>1,025,143</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	-118	0	<b>-118</b>
Minus Agricultural Wastes (sub chapter of EWC 02)	0	-7,314	-1,509	-457	<b>-9,281</b>
Minus C&D Wastes (EWC 17)	0	0	0	0	<b>0</b>
Minus Secondary / Treatment Wastes (EWC 19)	-82,828	-197,274	-52,368	-97,928	<b>-430,397</b>
Minus Municipal Wastes (EWC 20)	-88,924	-186,807	-	-90,962	<b>-510,728</b>
			144,035		
Non-household C&I waste (% varies for each WPA)	9,782	16,813	11,523	13,644	<b>51,761</b>
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>27,928</b>	<b>20,462</b>	<b>51,437</b>	<b>26,553</b>	<b>126,381</b>
<b>Inert/ C&amp;D - All</b>	276,666	116,730	61,349	266,047	<b>720,792</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	<b>0</b>
Minus C&D Wastes (EWC 17)	-	-113,547	-61,221	-255,694	<b>-699,922</b>
	269,460				
Minus Secondary / Treatment Wastes (EWC 19)	-189	-2,484	0	-1,527	<b>-4,200</b>
Minus Municipal Wastes (EWC 20)	-7,017	-689	-99	-8,824	<b>-16,629</b>
<b>Inert/ C&amp;D - Sub Total</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>2</b>	<b>42</b>
<b>Grand Total</b>	<b>27,928</b>	<b>20,472</b>	<b>51,468</b>	<b>26,556</b>	<b>126,422</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017



Table C24 Waste Received at Permitted Waste Sites in England in 2017 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,577,864</b>
Minus Mine and Quarry Wastes (EWC 01)	-51
Minus Agricultural Wastes (sub chapter of EWC 02)	-17,224
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-1,568,194
Minus Household Wastes (EWC20)	-1,504,920
Non-household C&I waste	165,541
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>653,016</b>
<b>Inert/ C&amp;D - All</b>	<b>2,226,859</b>
Minus Mine and Quarry Wastes (EWC 01)	-67
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-2,073,132
Minus Secondary Wastes (EWC 19)	-21,429
Minus Household Wastes (EWC20)	-98,282
<b>Inert/ C&amp;D - Sub Total</b>	<b>33,949</b>
<b>Grand Total</b>	<b>686,965</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017  
 Figures include Origin 'West Midlands Estimated' records from the 2017 WDI

Table C25 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2017 - Apportionment to Black Country Authorities

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2017 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>686,965</b>					
<b>Apportionment to Black Country %</b>	4.50%	4.10%	3.59%	3.58%	<b>15.73%</b>

<b>West Midlands Not Codeable Waste - Estimated C&amp;I Waste Arising in 2017 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country (tonnes)</b>	30,913	28,166	24,662	24,593	<b>108,060</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017, NOMIS Business Counts 2017, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19), Municipal Wastes (EWC 20) and Inert Wastes (UKWS 21).

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2017: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

**Table C26 Summary - Estimated C&I Waste Arising in the Black Country in 2017 (tonnes)**

<b>C&amp;I Waste Arisings - Source of Evidence</b>	<b>Estimated C&amp;I Waste Arisings in 2017 by WPA (tonnes)</b>				<b>Estimated C&amp;I Waste Arisings in 2017 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
C&I Waste Origin Codeable to Black Country Authorities	27,928	20,472	51,468	26,556	<b>126,422</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	30,913	28,166	24,662	24,593	<b>108,060</b>
<b>Total</b>	<b>58,841</b>	<b>48,637</b>	<b>76,130</b>	<b>51,149</b>	<b>234,482</b>

Environment Agency Waste Data Interrogator (WDI) 2017, NOMIS Business Counts 2017, Enterprises by Industry

The above estimates do not include waste managed under 'exemptions' from permitting such as C&I Waste managed in-house by businesses or waste re-used or recycled by businesses as part of an industrial process.

## 2017 CD&EW Waste Arisings

**Table C.27 Waste Received at Permitted Waste Sites in England in 2017 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)**

<b>Basic Waste Category</b>	<b>Origin WPA - Tonnes</b>				<b>Black Country Total</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>189,898</b>	<b>395,044</b>	<b>237,944</b>	<b>202,256</b>	<b>1,025,143</b>
Mine and Quarry Waste Only (EWC 01)	0	0	118	0	<b>118</b>
CD&EW Only (EWC 17)	0	0	0	0	<b>0</b>

Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>0</b>	<b>118</b>	<b>0</b>	<b>118</b>
<b>Inert/ C&amp;D - All</b>	<b>276,666</b>	<b>116,730</b>	<b>61,349</b>	<b>266,047</b>	<b>720,792</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	0	0
CD&EW Only (EWC 17)	269,460	113,547	61,221	255,694	699,922
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>269,460</b>	<b>113,547</b>	<b>61,221</b>	<b>255,694</b>	<b>699,922</b>
<b>Grand Total</b>	<b>269,460</b>	<b>113,547</b>	<b>61,339</b>	<b>255,694</b>	<b>700,040</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017

Table C28 Waste Received at Permitted Waste Sites in England in 2017 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	119
Mine and Quarry Waste Only (EWC 01)	51
CD&EW Only (EWC 17)	0
UKWS: Inert (EWC 21)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17, 21) - Sub Total</b>	<b>51</b>
<b>Inert/ C&amp;D - All</b>	<b>2,080,260</b>
Mine and Quarry Waste Only (EWC 01)	67
CD&EW Only (EWC 17)	2,073,132
UKWS: Inert (EWC 21)	2,000
<b>Inert/ C&amp;D (EWC 01, 17, 21) - Sub Total</b>	<b>2,075,199</b>
<b>Grand Total</b>	<b>2,075,250</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017

Table C.29 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/  
Estimated in 2017 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2017 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>2,075,250</b>					
<b>Apportionment to Black Country %</b>	5.78%	3.69%	4.54%	3.98%	<b>17.98%</b>
<b>Apportionment to Black Country (tonnes)</b>	119,949	76,577	94,216	82,595	<b>373,130</b>

Environment Agency Waste Data Interrogator (WDI) 2017, NOMIS Business Counts 2017, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01), CD&EW (EWC 17) and UKWS Inert (EWC 21) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2017: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

Table C.30 Summary - Estimated CD&EW Arising in the Black Country in 2017 (tonnes)

CD&EW Waste Arisings - Source of Evidence	Estimated CD&EW Waste Arisings in 2017 by WPA (tonnes)				Estimated CD&EW Waste Arisings in 2017 - Black Country Total (tonnes)
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	269,460	113,547	61,339	255,694	<b>700,040</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	119,949	76,577	94,216	82,595	<b>373,130</b>
<b>Total</b>	<b>389,410</b>	<b>190,124</b>	<b>155,555</b>	<b>338,289</b>	<b>1,073,169</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2017, NOMIS Business Counts 2017, Enterprises by Industry  
The above estimates do not include waste managed under 'exemptions' from permitting, such as CD&EW managed on-site as part of land remediation, engineering or construction projects.

## 2016 C&I Waste Arisings

Table C.31 Waste Received at Permitted Waste Sites in England in 2016 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>201,856</b>	<b>337,208</b>	<b>228,602</b>	<b>231,325</b>	<b>998,991</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural Wastes (sub chapter of EWC 02)	1	-7,295	-188	-39	<b>-7,522</b>
Minus C&D Wastes (EWC 17)	0	0	0	0	<b>0</b>
Minus Secondary / Treatment Wastes (EWC 19)	-93,841	-132,693	-53,065	-105,594	<b>-385,193</b>
Minus Municipal Wastes (EWC 20)	-92,955	-193,643	-	-108,428	<b>-533,646</b>
			138,620		
Non-household C&I waste (% varies for each WPA)	10,225	19,364	12,476	15,180	<b>57,245</b>
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>25,286</b>	<b>22,942</b>	<b>49,205</b>	<b>32,443</b>	<b>129,876</b>
<b>Inert/ C&amp;D - All</b>	<b>248,443</b>	<b>89,263</b>	<b>86,539</b>	<b>215,150</b>	<b>639,395</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	0	<b>0</b>
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	<b>0</b>
Minus C&D Wastes (EWC 17)	-	-89,248	-86,360	-210,679	<b>-630,371</b>
	244,084				
Minus Secondary / Treatment Wastes (EWC 19)	-1,117	0	-33	-3,654	<b>-4,804</b>
Minus Municipal Wastes (EWC 20)	-14	0	0	-817	<b>-831</b>
<b>Inert/ C&amp;D - Sub Total</b>	<b>3,228</b>	<b>16</b>	<b>146</b>	<b>0</b>	<b>3,390</b>
<b>Grand Total</b>	<b>28,514</b>	<b>22,957</b>	<b>49,351</b>	<b>32,443</b>	<b>133,265</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2016

Table C.32 Waste Received at Permitted Waste Sites in England in 2016 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,505,829</b>
Minus Mine and Quarry Wastes (EWC 01)	-15
Minus Agricultural Wastes (sub chapter of EWC 02)	-38,686
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-1,540,908
Minus Municipal Wastes (EWC20)	-1,485,090
Non-household C&I waste	163,360
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>604,489</b>
<b>Inert/ C&amp;D - All</b>	<b>2,102,855</b>
Minus Mine and Quarry Wastes (EWC 01)	0
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-1,934,122
Minus Secondary Wastes (EWC 19)	-84,137
Minus Household Wastes (EWC20)	-50,666
Minus Inert Wastes (UKWS 21)	-7,260
<b>Inert/ C&amp;D - Sub Total</b>	<b>33,929</b>
<b>Grand Total</b>	<b>638,418</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2016

Table C.33 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2016 - Apportionment to Black Country Authorities

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2016 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>638,418</b>					

<b>West Midlands Not Codeable Waste - Estimated C&amp;I Waste Arising in 2016 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country %</b>	4.67%	4.13%	3.62%	3.38%	<b>15.80%</b>
<b>Apportionment to Black Country (tonnes)</b>	29,814	26,367	23,111	21,579	<b>100,870</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2016, NOMIS Business Counts 2016, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19), Municipal Wastes (EWC 20) and Inert Wastes (UKWS 21).

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2016: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

**Table C.34 Summary - Estimated C&I Waste Arising in the Black Country in 2016 (tonnes)**

<b>C&amp;I Waste Arisings - Source of Evidence</b>	<b>Estimated C&amp;I Waste Arisings in 2016 by WPA (tonnes)</b>				<b>Estimated C&amp;I Waste Arisings in 2016 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
C&I Waste Origin Codeable to Black Country Authorities	28,514	22,957	49,351	32,443	<b>133,265</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	29,814	26,367	23,111	21,579	<b>100,870</b>
<b>Total</b>	<b>58,328</b>	<b>49,324</b>	<b>72,462</b>	<b>54,022</b>	<b>234,135</b>

Environment Agency Waste Data Interrogator (WDI) 2016, NOMIS Business Counts 2016, Enterprises by Industry

## 2016 CD&EW Waste Arisings

Table C.33 Waste Received at Permitted Waste Sites in England in 2016 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)

Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>201,856</b>	<b>337,208</b>	<b>228,602</b>	<b>231,325</b>	<b>998,991</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	0	0
CD&EW Only (EWC 17)	0	0	0	0	0
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Inert/ C&amp;D - All</b>	<b>248,443</b>	<b>89,263</b>	<b>86,539</b>	<b>215,150</b>	<b>639,395</b>
Mine and Quarry Waste Only (EWC 01)			0	0	0
CD&EW Only (EWC 17)	244,084	89,248	86,360	210,679	630,371
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>244,084</b>	<b>89,248</b>	<b>86,360</b>	<b>210,679</b>	<b>630,371</b>
<b>Grand Total</b>	<b>0</b>	<b>89,248</b>	<b>86,360</b>	<b>210,679</b>	<b>630,371</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2016

Table C.34 Waste Received at Permitted Waste Sites in England in 2016 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	<b>3,535,417</b>
Mine and Quarry Waste Only (EWC 01)	15
CD&EW Only (EWC 17)	0
UKWS: Inert (EWC 21)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17, 21) - Sub Total</b>	<b>15</b>
<b>Inert/ C&amp;D - All</b>	<b>2,102,855</b>
Mine and Quarry Waste Only (EWC 01)	0
CD&EW Only (EWC 17)	1,934,122
UKWS: Inert (EWC 21)	7,260



Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Inert/ C&amp;D (EWC 01, 17, 21) - Sub Total</b>	<b>1,941,382</b>
<b>Grand Total</b>	<b>1,941,397</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2016

Table C.35 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/  
Estimated in 2016 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2016 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>1,941,397</b>					
<b>Apportionment to Black Country %</b>	6.41%	4.16%	4.80%	4.49%	<b>19.85%</b>
<b>Apportionment to Black Country (tonnes)</b>	124,444	80,762	93,187	87,169	<b>385,367</b>

Environment Agency Waste Data Interrogator (WDI) 2016, NOMIS Business Counts 2016, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01), CD&EW (EWC 17) and UKWS Inert (EWC 21) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2016: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

Table C.36 Summary - Estimated CD&EW Arising in the Black Country in 2016 (tonnes)

CD&EW Waste Arisings - Source of Evidence	Estimated CD&EW Waste Arisings in 2016 by WPA (tonnes)				Estimated CD&EW Waste Arisings in 2016 - Black Country Total (tonnes)
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	244,084	89,248	86,360	210,679	<b>630,371</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	124,444	80,762	93,187	87,169	<b>385,367</b>
<b>Total</b>	<b>368,527</b>	<b>170,010</b>	<b>179,547</b>	<b>297,848</b>	<b>1,015,738</b>

Environment Agency Waste Data Interrogator (WDI) 2016, NOMIS Business Counts 2016, Enterprises by Industry

## 2015 C&I Waste Arisings

Table C.37 Waste Received at Permitted Waste Sites in England in 2015 – Origin Codeable to Black Country Authorities: C&I Waste (tonnes)

Basic Waste Category	Estimated C&I Waste by WPA - Tonnes				Estimated Total Black Country C&I Waste - tonnes
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>171,974</b>	<b>473,959</b>	<b>154,455</b>	<b>238,114</b>	<b>1,038,502</b>
Minus Mine and Quarry Wastes (EWC 01)	0	-32	*	0	-32
Minus Agricultural Wastes (sub chapter of EWC 02)	-3	-13	-1,820	-153	-1,989
Minus C&D Wastes (EWC 17)	0	0	0	0	0
Minus Secondary / Treatment Wastes (EWC 19)	-66,982	-281,491	-70,958	-71,527	-490,958
Minus Municipal Wastes (EWC 20)	-91,751	-188,994	-60,519	-142,148	-483,413
Non-household C&I waste (% varies for each WPA)	10,093	20,789	5,447	19,901	56,229
<b>Hhold/ Ind/ Com - Sub Total</b>	<b>23,331</b>	<b>24,219</b>	<b>26,603</b>	<b>44,187</b>	<b>118,340</b>
<b>Inert/ C&amp;D - All</b>	<b>264,922</b>	<b>50,924</b>	<b>88,954</b>	<b>356,006</b>	<b>760,806</b>
Minus Mine and Quarry Wastes (EWC 01)	0	0	0	-28,000	-28,000
Minus Agricultural / Food Wastes (EWC 02)	0	0	0	0	0
Minus C&D Wastes (EWC 17)	-257,144	-50,924	-88,949	-319,442	-716,460
Minus Secondary / Treatment Wastes (EWC 19)	-5,769	0	0	-5,290	-11,059
Minus Municipal Wastes (EWC 20)	-45	0	0	-3,273	-3,319
<b>Inert/ C&amp;D - Sub Total</b>	<b>1,963</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>1,969</b>
<b>Grand Total</b>	<b>25,294</b>	<b>24,219</b>	<b>26,609</b>	<b>44,187</b>	<b>120,309</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2015

Table C.38 Waste Received at Permitted Waste Sites in England in 2015 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': C&I Waste

Basic Waste Category	C&I Waste Origin West Midlands Not Codeable/ Estimated - Tonnes
<b>Hhold/ Ind/ Com Waste - All</b>	<b>2,934,845</b>
Minus Mine and Quarry Wastes (EWC 01)	-102
Minus Agricultural Wastes (sub chapter of EWC 02)	-64,428
Minus CD&EW (EWC 17)	0
Minus Secondary Wastes (EWC 19)	-990,263
Minus Municipal Wastes (EWC20)	-1,474,037
Non-household C&I waste	162,144
Minus Inert Wastes (UKWS 21)	0
<b>Hhold/ Ind/ Com Waste - Sub Total</b>	<b>568,159</b>
<b>Inert/ C&amp;D - All</b>	<b>2,034,787</b>
Minus Mine and Quarry Wastes (EWC 01)	-615
Minus Agricultural Wastes (EWC 02)	0
Minus CD&EW (EWC 17)	-1,728,761
Minus Secondary Wastes (EWC 19)	-222,691
Minus Household Wastes (EWC20)	-55,887
Minus Inert Wastes (UKWS 21)	-8,680
<b>Inert/ C&amp;D - Sub Total</b>	<b>18,154</b>
<b>Grand Total</b>	<b>586,313</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2015

Table C.39 Estimated C&I Waste Arising in the West Midlands, Origin Not Codeable/ Estimated in 2015 - Apportionment to Black Country Authorities

West Midlands Not Codeable Waste - Estimated C&I Waste Arising in 2015 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>586,313</b>					

<b>West Midlands Not Codeable Waste - Estimated C&amp;I Waste Arising in 2015 (tonnes)</b>	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	<b>Black Country</b>
<b>Apportionment to Black Country %</b>	4.78%	4.01%	3.64%	3.62%	<b>15.76%</b>
<b>Apportionment to Black Country (tonnes)</b>	28,026	23,511	21,342	21,225	<b>92,403</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2015, NOMIS Business Counts 2015, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, minus Agricultural (subchapter of EWC 02), C&D Waste (EWC 17), Secondary/ Treatment Wastes (EWC 19), Municipal Wastes (EWC 20) and Inert Wastes (UKWS 21).

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2015: Total Enterprises in the Black Country/ by WPA as % of Total Enterprises in the West Midlands.

**Table C.40 Summary - Estimated C&I Waste Arising in the Black Country in 2015 (tonnes)**

<b>C&amp;I Waste Arisings - Source of Evidence</b>	<b>Estimated C&amp;I Waste Arisings in 2015 by WPA (tonnes)</b>				<b>Estimated C&amp;I Waste Arisings in 2015 - Black Country Total (tonnes)</b>
	<b>Dudley</b>	<b>Sandwell</b>	<b>Walsall</b>	<b>Wolverhampton</b>	
C&I Waste Origin Codeable to Black Country Authorities	25,294	24,219	26,609	44,187	<b>120,309</b>
C&I Waste Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities	28,026	23,511	21,342	21,225	<b>92,403</b>
<b>Total</b>	<b>53,320</b>	<b>47,730</b>	<b>47,950</b>	<b>65,412</b>	<b>212,712</b>

Environment Agency Waste Data Interrogator (WDI) 2015, NOMIS Business Counts 2015, Enterprises by Industry

## 2015 CD&EW Waste Arisings

Table C.41 Waste Received at Permitted Waste Sites in England in 2015 – Origin Codeable to Black Country Authorities: CD&EW (tonnes)

Basic Waste Category	Origin WPA - Tonnes				Black Country Total
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>Hhold/ Ind/ Com Waste - All</b>	<b>171,974</b>	<b>473,959</b>	<b>154,455</b>	<b>238,114</b>	<b>1,038,502</b>
Mine and Quarry Waste Only (EWC 01)	0	32	*	0	32
CD&EW Only (EWC 17)	0	0	0	0	0
<b>Hhold/ Ind/ Com (EWC 01 and 17) - Sub Total</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>32</b>
<b>Inert/ C&amp;D - All</b>	<b>264,922</b>	<b>50,924</b>	<b>88,954</b>	<b>356,006</b>	<b>760,806</b>
Mine and Quarry Waste Only (EWC 01)	0	0	0	28,000	28,000
CD&EW Only (EWC 17)	257,144	50,924	88,949	319,442	716,460
<b>Inert/ C&amp;D (EWC 01 and 17) - Sub Total</b>	<b>257,144</b>	<b>50,924</b>	<b>88,949</b>	<b>347,442</b>	<b>744,460</b>
<b>Grand Total</b>	<b>257,144</b>	<b>50,956</b>	<b>88,949</b>	<b>347,442</b>	<b>744,492</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2015

Table C.42 Waste Received at Permitted Waste Sites in England in 2015 – Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated': CD&EW

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Hhold/ Ind/ Com Waste - All</b>	<b>2,934,845</b>
Mine and Quarry Waste Only (EWC 01)	102
CD&EW Only (EWC 17)	0
UKWS: Inert (EWC 21)	0
<b>Hhold/ Ind/ Com Waste (EWC 01, 17, 21) - Sub Total</b>	<b>102</b>
<b>Inert/ C&amp;D - All</b>	<b>2,034,787</b>
Mine and Quarry Waste Only (EWC 01)	615
CD&EW Only (EWC 17)	1,728,761
UKWS: Inert (EWC 21)	8,680
<b>Inert/ C&amp;D (EWC 01, 17, 21) - Sub Total</b>	<b>1,738,055</b>

Basic Waste Category	Origin West Midlands WPA Not Codeable
<b>Grand Total</b>	<b>1,738,158</b>

Source: Environment Agency Waste Data Interrogator (WDI) 2015

Table C.43 Estimated CD&EW Waste Arising in the West Midlands, Origin Not Codeable/  
Estimated in 2015 - Apportionment to Black Country Authorities

CD&EW Waste Origin West Midlands WPA Not Codeable / Estimated in 2015 (tonnes)	Dudley	Sandwell	Walsall	Wolverhampton	Black Country
<b>1,738,158</b>					
<b>Apportionment to Black Country %</b>	6.15%	3.50%	4.42%	3.27%	<b>17.35%</b>
<b>Apportionment to Black Country (tonnes)</b>	106,897	60,836	76,827	56,838	<b>301,570</b>

Environment Agency Waste Data Interrogator (WDI) 2015, NOMIS Business Counts 2015, Enterprises by Industry

The total figure is all waste Origin 'West Midlands WPA Not Codeable' and 'West Midlands Estimated' falling within the Hhold/ Ind/ Com and Inert/ C&D Basic Waste Categories, Mine and Quarry Waste (EWC 01), CD&EW (EWC 17) and UKWS Inert (EWC 21) Only.

Apportionment by Authority is based on NOMIS Business Counts Enterprises by Industry 2015: Black Country Enterprises/ Enterprises by WPA falling within SIC Codes 39 - 43 (Construction and Related Industries) as % of West Midlands Enterprises falling within SIC Codes 39 - 43 (Construction and Related Industries).

Table C.44 Summary - Estimated CD&EW Arising in the Black Country in 2015 (tonnes)

CD&EW Waste Arisings - Source of Evidence	Estimated CD&EW Waste Arisings in 2015 by WPA (tonnes)				Estimated CD&EW Waste Arisings in 2015 - Black Country Total (tonnes)
	Dudley	Sandwell	Walsall	Wolverhampton	
<b>CD&amp;EW Origin Codeable to Black Country Authorities</b>	257,144	50,956	88,949	347,442	<b>744,492</b>
<b>CD&amp;EW Origin West Midlands WPA Not Codeable/ West Midlands Estimated Apportioned to Black Country Authorities</b>	106,897	60,836	76,827	56,838	<b>301,570</b>
<b>Total</b>	<b>364,041</b>	<b>111,792</b>	<b>165,776</b>	<b>404,280</b>	<b>1,046,062</b>

Environment Agency Waste Data Interrogator (WDI) 2015, NOMIS Business Counts 2015, Enterprises by Industry