

Monthly Waste Flow Table for August 2020

Project: Lamma Power Station Extension - Civil and Building Works for Unit L11

Contractor: Paul Y. Construction Company, Limited

Record by: Ben Lam

Year of Record: 2018, 2019 & 2020

| MM.YYYY | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | | | Actual Quantities of Non-inert C&D Materials Generated Monthly | | | | | |
|----------|--|--------------------------------|---|---|------------------------|--------------------------|-------------------------|--------------------------------|--|--------------------------------------|--|-----------------------------------|---|----------------------------|
| | Excavated Materials | | | Non-excavated Materials | | | | | | | | | | |
| | Disposed in Public Fill | Disposed in Sorting Facilities | Others (e.g. Reused in the Contract / Other Projects) | Broken Concrete or Construction Waste Collected by Recycled Company | Reused in the Contract | Reused in other Projects | Disposed in Public Fill | Disposed in Sorting Facilities | Metals (steel bar / metal strip) ⁽¹⁾ | Metals (aluminum can) ⁽¹⁾ | Paper / cardboard packaging ⁽¹⁾ | Plastics ^{(1) & (4)} | Chemical waste (wasted lubricant oil/oil container) | Other, e.g. general refuse |
| | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000L) | (in '000kg) |
| Jul 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Aug 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sep 2018 | 3160.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Oct 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nov 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.87 |
| Dec 2018 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.67 |
| Jan 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Feb 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.66 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 |
| Mar 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 19.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Apr 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.08 | 0.00 | 0.00 | 0.00 | 0.00 | 19.09 |
| May 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.63 | 0.00 | 0.00 | 0.00 | 0.00 | 59.75 |
| Jun 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.64 |
| Jul 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 |
| Aug 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Sep 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 27.31 |
| Oct 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.109 | 0.00 | 0.00 | 4.76 |
| Nov 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 4.87 |
| Dec 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10226.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.19 |
| Jan 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7981.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.157 | 0.00 | 0.00 | 26.89 |
| Feb 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8782.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| Mar 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20252.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 78.96 |
| Apr 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12976.86 | 0.00 | 0.00 | 8.30 | 0.00 | 0.000 | 0.00 | 0.00 | 68.75 |
| May 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20203.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 |
| Jun 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 28030.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 58.49 |
| Jul 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12481.37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.00 | 33.88 |
| Aug 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11179.56 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 | 0.00 | 0.60 | 73.73 |
| Total | 3160.23 | 0.00 | 0.00 | 0.00 | 0.00 | 132113.55 | 0.00 | 0.00 | 43.72 | 0.00 | 0.266 | 0.00 | 1.80 | 511.51 |

| Total Inert C&D Waste Materials Generated | Non-inert C&D Materials | | |
|---|-------------------------|-----------------------------------|----------------|
| | C&D Materials Recycled | C&D Waste Disposed of at Landfill | Chemical Waste |
| 135273.78 tonnes | 43.99 tonnes | 511.51 tonnes | 1800 Liters |

Updated

- Where (A) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 135273.78 tonnes of inert C&D material were generated from the Project, of which 132113.55 tonnes were reused in this and other contracts, and the remaining 3160.23 tonnes were disposed as public fill to Fill Banks / Sorting Facilities.
- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- (c) 0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

Notes:

- (1) metal, paper & plastic were collected by recycler
 (2) The performance target of waste recycling are specified in the Contract.
 (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
 (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
 (5) Broken concrete for recycling into aggregates.
 (6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

Monthly Waste Flow Table for August 2020
Project: LAMMA POWER STATION EXTENSION – Unit 11 Complete Erection, Inspection, Testing & Commissioning of Power Block Facilities
Contractor: Taihei Dengyo Kaisha, Ltd.
Record by: Stephen Sin
Year of Record: 2019, 2020

| MM.YYYY | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | | | Actual Quantities of Non-inert C&D Materials Generated Monthly | | | | | |
|-------------|--|--------------------------------|---|---|------------------------|--------------------------|-------------------------|--------------------------------|--|--------------------------------------|--|-----------------------------------|---|----------------------------|
| | Excavated Materials | | | Non-excavated Materials | | | | | Metals (steel bar / metal strip) ⁽¹⁾ | Metals (aluminum can) ⁽¹⁾ | Paper / cardboard packaging ⁽¹⁾ | Plastics ^{(1) & (4)} | Chemical waste (wasted lubricant oil/oil container) | Other, e.g. general refuse |
| | Disposed in Public Fill | Disposed in Sorting Facilities | Others (e.g. Reused in the Contract / Other Projects) | Broken Concrete or Construction Waste Collected by Recycled Company | Reused in the Contract | Reused in other Projects | Disposed in Public Fill | Disposed in Sorting Facilities | | | | | | |
| | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | (in '000kg) | | | | | (in '000kg) | (in '000kg) |
| Nov 2019 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Dec 2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jan 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Feb 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mar 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.35 |
| Apr 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.61 |
| May 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.39 |
| June 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.03 |
| July 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.32 |
| August 2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2600 | 10.38 |
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| Total Inert C&D Waste Materials Generated | Non-inert C&D Materials | | |
|---|-------------------------|-----------------------------------|----------------|
| | C&D Materials Recycled | C&D Waste Disposed of at Landfill | Chemical Waste |
| | 0.00 tonnes | 67.08 tonnes | 2600 Liters |

Updated

- Where (A) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 0.00 tonnes of inert C&D material were generated from the Project, of which 0 tonnes were reused in this and other contracts, and the remaining 0.00 tonnes were disposed in Public Fill and Sorting Facilities.
- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- (c) 0 kg of metals, 0 kg of papers/ cardboard packing and 0 kg of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

Notes:

(1) metal, paper & plastic were collected by recycler

(2) The performance target of waste recycling are specified in the Contract.

(3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

(5) Broken concrete for recycling into aggregates.

(6) Disposal of inert waste to public fill or sorting facilities will **NOT** be considered as recycled waste.

Monthly Waste Flow Table for August 2020

Project: Foundation Works for Lamma Power Station Extension Unit L12
 Contractor: Sunley Engineering & Construction Co Ltd
 Record by: Eric Liu
 Year of Record: 2019 & 2020

| MM/YYYY | Actual Quantities of Inert C&D Materials Generated Monthly | | | | | | | | Actual Quantities of Non-inert C&D Materials Generated Monthly | | | | | |
|--------------|--|--------------------------------|--|---|-------------------------|--------------------------|-------------------------|--------------------------------|--|--------------------------------------|--|-----------------------------------|---|----------------------------|
| | Excavated Materials | | | | Non-excavated Materials | | | | | | | | | |
| | Disposed in Public Fill | Disposed in Sorting Facilities | Others (e.g Reused in the Contract / Other Projects) | Broken Concrete or Construction Waste Collected by Recycled Company | Reused in the Contract | Reused in other Projects | Disposed in Public Fill | Disposed in Sorting Facilities | Metals (steel bar / metal strip) ⁽¹⁾ | Metals (aluminum can) ⁽¹⁾ | Paper / cardboard packaging ⁽¹⁾ | Plastics ^{(1) & (4)} | Chemical waste (wasted lubricant oil/oil container) | Other, e.g. general refuse |
| | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in tonne) | (in L) | (in tonne) |
| Apr/2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May/2019 | 7417.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jun/2019 | 8470.29 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jul/2019 | 5056.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.29 |
| Aug/2019 | 9705.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.51 |
| Sep/2019 | 5432.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 400.00 | 2.96 |
| Oct/2019 | 10767.96 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.79 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Nov/2019 | 8646.72 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 400.00 | 4.75 |
| Dec/2019 | 11100.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jan/2020 | 2996.78 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Feb/2020 | 5063.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 |
| Mar/2020 | 4365.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.07 |
| Apr/2020 | 3271.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| May/2020 | 4064.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.58 |
| Jun/2020 | 1222.31 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.06 |
| Jul/2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Aug/2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1800.00 | 0.00 |
| Total | 87583.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 73.32 | 0.00 | 0.00 | 0.00 | 2600.00 | 41.95 |

| Total Inert C&D Waste Materials Generated | Non-inert C&D Materials | | |
|---|-------------------------|-----------------------------------|----------------|
| | C&D Materials Recycled | C&D Waste Disposed of at Landfill | Chemical Waste |
| 87583.76 tonnes | 73.32 tonnes | 41.95 tonnes | 2600.00 liter |

- Where (a) Inert C&D materials include bricks, concrete, building debris, rubble and excavated spoil. In total, 87583.76 tonnes of inert C&D material were generated from the Project, of which 0.00 tonnes were reused in this and other contracts, and the remaining 87583.76 tonnes were disposed as public fill to Fill Banks/Sorting Facilities.
- (b) Non-inert C&D materials (construction wastes) include metals, paper / cardboard packaging waste, plastics and other wastes such as general refuse. Metals generated from the Project were grouped into construction wastes as the materials were not disposed of with others at the public fill.
- (c) 0.00 tonne of metals, 0.00 tonne of paper / cardboard packing and 0.00 tonne of plastics were sent to recyclers for recycling during the reporting period.
- (d) Construction wastes other than metals, paper/cardboard packaging, plastics and chemicals were disposed of at Landfill.

Notes:

- (1) metal, paper & plastic were collected by recycler
- (2) The performance target of waste recycling are specified in the Contract.
- (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
- (5) Broken concrete for recycling into aggregates.
- (6) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.
- (7) Quantity of metal recycled is revised.