Location of Stack Emission of I-PARK2

| Description | ID | x | Y |
|------------------------------|----|--------|--------|
| Flue of incineration process | F1 | 810001 | 831229 |

tack Emission Parameters of I-PARK2

| rack Emission arameters of Franke | | | | | | | |
|---|------|------------------------|--|--|--|--|--|
| Parameter [1] | Unit | Value | | | | | |
| Total exhaust flow rate (dry) [2] | m³/h | 1650000 | | | | | |
| Total exhaust flow rate (actual condition) | m³/h | 2562275 | | | | | |
| Equivalent stack diameter for the six flues | m | 6.86 [15] | | | | | |
| Base elevation | m | 11.5 | | | | | |
| Stack height | m | 70 | | | | | |
| Exit temperature | K | 413 | | | | | |
| Exit velocity | m/s | 19.265 ^[16] | | | | | |
| Oxygen content | % | 8.6 | | | | | |
| Moisture content | % | 21.8 | | | | | |

| Air Pollutants | Emission concentration at each flue [2] (mg/Nm³) | Total emission rate (six flues) [3] (g/s) | Emission concentration at each flue (actual condition) (mg/m³) | |
|--|--|--|--|--|
| | 1-hour average | | 1-hour average | |
| Particulates [4] | 10 | 4.58 | 6.4 | |
| Gaseous and vaporous organic substances (TOC) [5] | 10 | 4.58 | 6.4 | |
| Carbon Monoxide (CO) | 50 | 22.92 | 32.2 | |
| Nitrogen Oxides (NO _x) as Nitrogen Dioxide (NO ₂) ^[6] | 60 | 27.50 | 38.6 | |
| Sulphur Dioxide (SO ₂) | 30 | 13.75 | 19.3 | |
| Hydrogen Chloride (HCI) | 8 | 3.67 | 5.2 | |
| Hydrogen Fluoride (HF) | 2 | 0.92 | 1.3 | |
| Ammonia (NH ₃) [17] | 15 | 6.875 | 9.7 | |

| Air Pollutants | Emission concentration at each flue [2] (mg/Nm³) | Total emission rate (six flues) [3] (g/s) | Emission concentration at each flue (actual condition) (mg/m³) As specified | |
|---|--|--|---|--|
| | As specified | | | |
| Mercury (Hg) ^[7] | 0.02 | 0.00917 | 0.01 | |
| Total Cadmium & Thallium (Cd & Tl) [7](8) | 0.02 | 0.00917 | 0.01 | |
| Cadmium (Cd) | - | 0.00917 | 0.01 | |
| Thallium (TI) | - | 0.00917 | 0.01 | |
| Total Heavy Metal [7][9] | 0.3 | 0.138 | 0.19 | |
| Antimony (Sb) | - | 0.138 | 0.19 | |
| Arsenic (As) [10] | - | 0.0115 | 0.02 | |
| Chromium (Cr) [11] | - | 0.042 | 0.06 | |
| Cobalt (Co) | - | 0.138 | 0.19 | |
| Copper (Cu) | - | 0.138 | 0.19 | |
| Lead (Pb) | - | 0.138 | 0.19 | |
| Manganese (Mn) | - | 0.138 | 0.19 | |
| Nickel (Ni) [12] | - | 0.0243 | 0.03 | |
| Vanadium (V) | - | 0.138 | 0.19 | |
| Dioxins & Furans (in ng I-TEQ/m²) [13] | 0.04 | 1.83E-08 | 0.03 | |

- [1] The emission parameters are provided by Engineer and subject to the detailed design to be carried out by the future DBO contractor. During the detailed design, the DBO contractor will take into account the environmental requirements set out in this EIA report and the target emission levels and criteria for evaluating air quality impact set out in Annex 4 of the EIAO-TM.
 [2] Expressed at 0 degrees Celsius temperature, 101325 Ne pressure, dry and 11% oxygen content
 [3] The emission rates are calculated in accordance with Annex VI of EU Directive 2007/16/EC and ideal gas law

Emission concentration(mg/m 3) (Ca, wet, Oa) = Cs * (Ts/Ta) * (1-%H2O) * (20.9-Oa) / (20.9-Os)

Oa (%) = Oxygen concentration of flue gas, dry gas

Os (%) = Standard oxygen concentration, dry gas

Ca, wet, Oa (mg/m3) = Actual flue gas concentration, wet gas, Oa Cs (mq/m 3) = Flue qas concentration at standard conditions %H2O = % of moisture in flue gas

Ta (K) = Temperature of flue gas at emission point Ts (K) = Standard temperature

Emission rate at exhaust (g/s) = Flow rate (m^2/hr) x Emission concentration(mg/m^3) (Ca, wet, Oa) / 3600 /1000 [4] The particulate emssion limit is applied to RSP and FSP in the assessment

- [5] TOC will be measured continuously as a key indicator for the quality of combustion in the incineration process.
- [6] Lower target hourly NOx emission level of 60mg/Nm3 is adopted as mentioned in Sections 3.3.1 of the EIA report to minimise the air quality impact
- [8] The emission rates of "Total Cd & TI" is assigned to Cd and TI individually as a conservative approach for assessment purpose. The actual emission state of within the emission limit specified in the prevailing guidance note on the BPM for incinerators (municipal waste incineration) in Hong Kong. The emission rate (g/s) is calculated based on the emission concentration limits for the purpose of the air quality modelling.
- waste incineration) in Hong Kong). [9] Total Heavy Metals includes Sb, As, Cr, Co, Cu, Pb, Mn, Ni and V. The total emission rate of Total Heavy Metal was assigned to each of Sb, Co, Cu, Pb, Mn and V as a conservative assumption for assessment purpose. The actual emission shall be within the emission
- [11] According to "Guidance on assessing group 3 metal stack emissions from incinerators" (UK Environment Agency), the maximum measured concentration for Cr is 0.092mg/Nm3. The maximum measured concentrations of Cr was applied in the emission rate
- [17] According to "Guidance on assessing group 3 metal stack emissions from incinerators" (UK Environment Agency), the two highest concentration of Ni are outliers, so the third highest concentration 0.053mg/Nm3 was used. The third highest concentration of Ni were applied in the emission rate calculation as a realistic and conservative approach. (https://assets.publishing-service.gov.uk/media/5a80dd59ed1574e6230e2d/LIT_7349.pdf)
- were applied in the emission rate calculation as a feasibility and the emission rate calculation as a reason occeneration limits are the average value over the sampling period of a minimum of 6 hours and maximum of 8 hours according guidance note on the BPM for incinerators (municipal waste incineration) in Hong Kong. The emission rate (g/s) is calculated based on the emission concentration limits for the purpose of the air quality modelling.

 [14] The key / representative air pollutants emitted from the stack as identified in the EIA report shall be monitored in accordance with the target air emission levels. The concentration of As, C, Ni would be measured individually to verify that their assumed concentration limits are valid upon commissioning and during the operation stage.

 [15] The diameter of each flue is about 2.8 m. When modeling the stack emission with six flues in close proximity, the plumes emitted from the six flues would inevitably become a combined plume shortly after discharge. Therefore, for the purpose of the air quality modelling, the emissions from the six flues were modelled as a single point of stack emission with an equivalent stack emission with management of 8.6 m.

 [16] For the purpose of the air quality modelling to simulate the emissions from the six flues as as a single point of stack emission, the exit velocity is divided by the square root of the number of file to 1.6, 17.865 m/s of exit velocity was applied in the modelling.

- [17] 15 mg/Nm3 was adopted for NH3 hourly emission limit. This emission limit shall be measured at the exhaust to ensure that the emission for asset

Dust emission from Incinerator Bottom Ash Facility

The proposed IBA treatment would be conducted within an enclosed building with dust suppression measures. Major processes are listed as below:
(1) Screening process: screen hole size of 120mm to screen out large materials greater than 120mm.

- Magnetic separation process: Magnetic separation to recover ferrous metal
 Wet separation process: Two-stage jigger is used to separate materials into different sizes
 Eddy current separation: Eddy current separator to recover non-ferrous metal
 Crushing process: A hammer crusher reduces size of particles to <8-10mm
 Plate and Frame Filter Press: Final dewatering process. (3) (4) (5) (6)

Since there were no specific emission factor account for IBA treatment process, reference from USPEA AP-42 of similar activities were reviewed and presented below.

Table A - USEPA AP-42 11.3 Brick And Structural Clay Product Manufacturing

| Description | Value | Units | Remarks |
|--|----------|--------|--|
| RSP emission from Primary crusher with fabric filter | 0.00059 | lb/ton | lb of pollutant per ton of raw material processed, USEPA AP-42 Table 11.3-1 (SCC 3-05-003-40) |
| RSP emission from Grinding and screening operation (processing with fabric filter) | 0.0032 | lb/ton | lb of pollutant per ton of raw material processed, USEPA AP-42 Table 11.3-1 (SCC 3-05-003-02) |
| RSP emission from Extrusion line with fabric filter | 0.0036 | lb/ton | lb of pollutant per ton of raw material processed, USEPA AP-42 Table 11.3-1 (SCC 3-05-003-42) 99% of removal efficiency of the fabric filter |
| RSP emission from Primary crusher with fabric filter | 0.000295 | kg/Mg | kg of pollutant per tonne of raw material processed |
| RSP emission from Grinding and screening operation (processing with fabric filter) | 0.0016 | kg/Mg | kg of pollutant per tonne of raw material processed |
| RSP emission from Extrusion line with fabric filter | 0.0018 | kg/Mg | kg of pollutant per tonne of raw material processed |
| Total dust emission | 0.003695 | kg/Mg | |

Table B - USEPA AP-42 11.19.2 Crushed Stone Processing and Pulverized Mineral Processing

| Description | Value | Units | Remarks |
|--|----------|-------|--|
| RSP emission from Tertiary Crushing (controlled) | 0.00027 | kg/Mg | kg/Mg of material processedUSEPA AP-42 11.19.2 Table 11.19.2-1 (SCC 3-05-020-03) |
| RSP emission from Fines Crushing (controlled) | 0.0006 | kg/Mg | kg/Mg of material processedUSEPA AP-42 11.19.2 Table 11.19.2-1 (SCC 3-05-020-05) |
| RSP emission from Screening (controlled) | 0.00037 | kg/Mg | kg/Mg of material processedUSEPA AP-42 11.19.2 Table 11.19.2-1 (SCC 3-05-020-02, 03) |
| RSP emission from Fines Screening (controlled) | 0.0011 | kg/Mg | kg/Mg of material processedUSEPA AP-42 11.19.2 Table 11.19.2-1 (SCC 3-05-020-21 |
| RSP emission from Conveyor Transfer Point (controlled) | 2.30E-05 | kg/Mg | kg/Mg of material processedUSEPA AP-42 11.19.2 Table 11.19.2-1 (SCC 3-05-020-06) |
| Total dust emission | 0.002363 | kg/Mg | |

By comparing Table A and Table B above, 0.003695 kg/Mg from Table A was adopted in the assessment as worst case scenario.

Table C - Calculation of Emission rate

| Description | Value | Units | Remarks |
|---------------------------------|-----------|-------------|---|
| Amount of IBA processed per day | 1465 | Mg/day | Provided by Engineer |
| RSP/FSP emission per day | 5413 | g/day | FSP emission rate is assumed as RSP emission rate as a conservative approach |
| RSP/FSP Emission per second | 1.253E-01 | g/s | Assuming 7 working days per week 12 (7am to 7pm) working hours per day |
| IBA Hall width | 75 | m | |
| IBA Hall length | 200 | m | |
| IBA Hall area | 15000 | m2 | |
| IBA Hall height | 15 | m | |
| IBA Hall volume | 225000 | m3 | Provided by Engineer, fabric filter with removal efficient 99% is included in the design. |
| Assumed ACH | 12 | no per hour | Provided by Engineer, labric litter with removal enitcient 99% is included in the design. |
| Flow volume | 2700000 | m3/hr | |
| Total Area of exhaust | 60 | m2 | |
| Exit velocity of exhaust | 12.5 | m/s | |
| Internal Diameter | 1.1284 | m | |
| Total number of exhaust | 3 | | 3 horizontal exhausts of 20m x 1m each |
| Dust emission rate per exhaust | 4.177E-02 | g/s | |

| khaust | Source ID | х | Y | Base Elevation (mPD) | Height (mAG) | Internal Diameter (m) | Exit Velocity (m/s) | RSP/FSP emission rate |
|---------------|-----------|-----------|-----------|----------------------|--------------|--------------------------|---------------------|--------------------------|
| | IBA 1 | 810152.70 | 831445.00 | 11.50 | 10.00 | 1.1284 | 12.5 | (g/s) 2.088E-03 |
| | IBA_1 | 810153.00 | 831444.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 3 | 810153.30 | 831443.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 4 | 810153.70 | 831442.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 5 | 810154.00 | 831441.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_6 | 810154.40 | 831440.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_0 | 810154.70 | 831439.40 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 8 | 810155.00 | 831438.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 9 | 810155.40 | 831437.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 10 | 810155.70 | 831436.60 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| IBA Exhaust 1 | IBA 11 | 810156.00 | 831435.60 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 12 | 810156.40 | 831434.70 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 13 | 810156.70 | 831433.70 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 14 | 810157.00 | 831432.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 15 | 810157.40 | 831431.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 16 | 810157.70 | 831430.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 17 | 810158.10 | 831430.00 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 18 | 810158.40 | 831429.00 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_10 | 810158.70 | 831428.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 20 | 810159.10 | 831427.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 21 | 810172.20 | 831390.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 22 | 810172.60 | 831389.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 23 | 810172.90 | 831388.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 24 | 810173.20 | 831387.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 25 | 810173.60 | 831387.00 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 26 | 810173.90 | 831386.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_27 | 810174.30 | 831385.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_28 | 810174.60 | 831384.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_20 | 810174.90 | 831383.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 30 | 810175.30 | 831382.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| IBA Exhaust 2 | IBA 31 | 810175.60 | 831381.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 32 | 810175.90 | 831380.40 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 33 | 810176.30 | 831379.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 34 | 810176.60 | 831378.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 35 | 810176.90 | 831377.60 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 36 | 810177.30 | 831376.60 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 37 | 810177.60 | 831375.70 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 38 | 810178.00 | 831374.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 39 | 810178.30 | 831373.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 40 | 810178.60 | 831372.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 41 | 810198.70 | 831321.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 42 | 810199.00 | 831320.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 43 | 810199.40 | 831319.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 44 | 810199.70 | 831318.30 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 45 | 810200.00 | 831317.40 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 46 | 810200.40 | 831316.40 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 47 | 810200.70 | 831315.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 48 | 810201.10 | 831314.50 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA_49 | 810201.40 | 831313.60 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| IDA Evhavet 0 | IBA 50 | 810201.70 | 831312.70 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| IBA Exhaust 3 | IBA 51 | 810202.10 | 831311.70 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 52 | 810202.40 | 831310.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 53 | 810202.70 | 831309.80 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 54 | 810203.10 | 831308.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 55 | 810203.40 | 831307.90 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 56 | 810203.70 | 831307.00 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 57 | 810204.10 | 831306.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 58 | 810204.40 | 831305.10 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 59 | 810204.80 | 831304.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |
| | IBA 60 | 810205.10 | 831303.20 | 11.50 | 10.00 | 1.1284 | 12.5 | 2.088E-03 |

Odour emission from Tipping Hall

Table C - Calculation of Emission rate

| Description | Value | Units | Remarks |
|--|---------|-------------|---|
| Tipping Hall width | 243 | m | |
| Tipping Hall length | 48 | m | |
| Tipping Hall area | 11664 | m2 | |
| Tipping Hall height | 9 | m | |
| Tipping Hall volume | 104976 | m3 | Provided by Engineer |
| Assumed ACH | 12 | no per hour | Frovided by Engineer |
| Flow volume | 1259712 | m3/hr | |
| Total Area of exhaust | 40 | m2 | |
| Exit velocity of exhaust | 8.748 | m/s | |
| Internal Diameter | 1.1284 | m | |
| Odour emission rate, SOER | 1.577 | OU/m2s | Reference from WENTX measured emission for Active Tipping Area with waste filling without daily cover [1] |
| Odour emission rate | 18394 | OU/s | |
| Odour removal efficiency | 95% | | 2 stages design (carbon filter + wet scrubber) |
| Mitigatied Odour emission rate | 920 | OU/s | |
| Total number of exhaust | 4 | | 4 horizontal exhausts of 10m x 1m each |
| Mitigatied Odour emission rate per exhaust | 230 | OU/s | |

Note:

[1] The odour emission from IPARK2 Tipping Hall and WENTX Active Tipping Area with waste filling without daily cover are of similar nature and hence the odour emission rate of WENTx were applied for the IPARK2 Tipping Hall.

Table D - Details of Emission parameters for Tipping Hall

| Exhaust | Source ID | Х | Υ | Base Elevation (mPD) | Height (mAG) | Internal Diameter (m) | Exit Velocity (m/s) | Odour emission rate (OU/s) |
|--------------|-----------|-----------|-----------|----------------------|--------------|--------------------------|---------------------|-------------------------------|
| | OU_1 | 809831.00 | 831410.80 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_2 | 809831.90 | 831411.10 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_3 | 809832.90 | 831411.50 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_4 | 809833.80 | 831411.80 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| Exhaust 1 | OU_5 | 809834.70 | 831412.20 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| OU_6 OU 7 | OU_6 | 809835.70 | 831412.50 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_7 | 809836.60 | 831412.90 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_8 | 809837.50 | 831413.20 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_9 | 809838.50 | 831413.60 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_10 | 809839.40 | 831413.90 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_11 | 809888.00 | 831432.00 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_12 | 809888.90 | 831432.40 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_13 | 809889.80 | 831432.70 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_14 | 809890.80 | 831433.10 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| Exhaust 2 | OU_15 | 809891.70 | 831433.40 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| OU_1 OU_1 | OU_16 | 809892.60 | 831433.80 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_17 | 809893.60 | 831434.10 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_18 | 809894.50 | 831434.50 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_19 | 809895.40 | 831434.80 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_20 | 809896.40 | 831435.20 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_21 | 809944.90 | 831453.30 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_22 | 809945.90 | 831453.60 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_23 | 809946.80 | 831454.00 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_24 | 809947.70 | 831454.30 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| Exhaust 3 | OU_25 | 809948.70 | 831454.70 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| Extraust 3 | OU_26 | 809949.60 | 831455.00 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_27 | 809950.50 | 831455.40 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_28 | 809951.50 | 831455.70 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_29 | 809952.40 | 831456.10 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_30 | 809953.30 | 831456.40 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_31 | 810001.90 | 831474.50 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_32 | 810002.80 | 831474.90 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_33 | 810003.70 | 831475.20 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_34 | 810004.70 | 831475.60 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| Exhaust 4 | OU_35 | 810005.60 | 831475.90 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| LAHdust 4 | OU_36 | 810006.50 | 831476.30 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_37 | 810007.50 | 831476.60 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_38 | 810008.40 | 831477.00 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU_39 | 810009.40 | 831477.30 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |
| | OU 40 | 810010.30 | 831477.70 | 11.50 | 17.00 | 1.1284 | 8.748 | 22.99266 |

Appendix 3D Emission Parameters of IPARK2

Location of IPARK2 emission sources:

