

## PM 2.5 MONITORING ANNUAL SUMMARY

AMAZON PARK - 2016

24 HOUR AVERAGE CONCENTRATION,  $\mu\text{g}/\text{m}^3$ , LTP

| DAY | JAN  | FEB  | MAR | APR | MAY | JUN | JUL | AUG  | SEP | OCT  | NOV  | DEC  |
|-----|------|------|-----|-----|-----|-----|-----|------|-----|------|------|------|
| 1   | 38.2 |      | 3.2 |     |     |     |     | 4.6  |     |      |      |      |
| 2   |      |      |     |     |     | 2.5 | 3.1 |      |     |      | 6.4  | 4.3  |
| 3   |      | 1.5  |     | 4.3 | 6.6 |     |     |      | 2.9 | 1.3  |      |      |
| 4   | 20.3 |      | 3.7 |     |     |     |     | 7.0  |     |      |      |      |
| 5   |      |      |     |     |     | 8.8 | 4.8 |      |     |      | 7.3  | 4.2  |
| 6   |      | 7.3  |     | 8.3 | 6.2 |     |     |      | 2.1 | 2.9  |      |      |
| 7   | 10.1 |      | 2.5 |     |     |     |     | 2.5  |     |      |      |      |
| 8   |      |      |     |     |     | 2.6 | 1.3 |      |     |      | 10.7 | 16.5 |
| 9   |      | 17.5 |     | 3.9 | 5.2 |     |     |      | 6.5 | 2.3  |      |      |
| 10  | 10.5 |      | 2.7 |     |     |     |     | 3.5  |     |      |      |      |
| 11  |      |      |     |     |     | 2.3 | 3.4 |      |     |      | 10.5 | 1.5  |
| 12  |      | 6.3  |     | 2.9 | 4.8 |     |     |      | 4.5 | 11.3 |      |      |
| 13  | 1.6  |      | 1.2 |     |     |     |     | 7.3  |     |      |      |      |
| 14  |      |      |     |     |     |     | 3.7 |      |     |      | 3.3  | 5.9  |
| 15  |      | 2.0  |     | 3.4 | 1.8 | 2.4 |     |      | 7.9 | 2.3  |      |      |
| 16  | 2.2  |      | 2.2 |     |     |     |     | 5.2  |     |      |      |      |
| 17  |      |      |     |     |     | 3.4 | 3.6 |      |     |      | 7.3  | 23.8 |
| 18  |      | 1.2  |     | 8.4 | 5.3 |     |     |      | 1.0 | 7.6  |      |      |
| 19  | 2.0  |      | 6.6 |     |     |     |     | 10.2 |     |      |      |      |
| 20  |      |      |     |     |     | 3.5 | 3.5 |      |     |      | 1.7  | 11.7 |
| 21  |      | 7.3  |     | 5.1 | 2.6 |     |     |      | 4.8 | 6.6  |      |      |
| 22  | 4.8  |      | 1.8 |     |     |     |     | 5.3  |     |      |      |      |
| 23  |      |      |     |     |     | 1.5 | 3.3 |      |     |      | 2.1  | 6.1  |
| 24  |      | 9.7  |     | 2.7 | 3.4 |     |     |      | 4.6 | 7.7  |      |      |
| 25  | 1.5  |      | 4.0 |     |     |     |     | 6.8  |     |      |      |      |
| 26  |      |      |     |     |     | 5.0 | 4.0 |      |     |      | 3.7  | 3.4  |
| 27  |      | 2.8  |     | 3.2 | 3.8 |     |     |      | 3.9 | 3.7  |      |      |
| 28  | 2.5  |      | 3.8 |     |     |     |     | 2.3  |     |      |      |      |
| 29  |      |      |     |     |     | 4.5 | 6.3 |      |     |      | 5.5  | 10.6 |
| 30  |      |      |     | 5.5 | 5.5 |     |     |      | 7.2 | 4.4  |      |      |
| 31  | 4.3  |      | 5.6 |     |     |     |     | 2.8  |     |      |      |      |

| MONTH |        |        |        |        |        |       |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|--------|--------|--------|
| NCAP  | 11     | 9      | 11     | 10     | 10     | 10    | 10     | 11     | 10     | 10     | 10     | 10     |
| %CAP  | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 90.9% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| MEAN  | 8.9    | 6.2    | 3.4    | 4.8    | 4.5    | 3.7   | 3.7    | 5.2    | 4.5    | 5.0    | 5.9    | 8.8    |
| MAX   | 38.2   | 17.5   | 6.6    | 8.4    | 6.6    | 8.8   | 6.3    | 10.2   | 7.9    | 11.3   | 10.7   | 23.8   |

| QUARTER | Q1     |  |  | Q2    |  |  | Q3     |  |  | Q4     |  |  |
|---------|--------|--|--|-------|--|--|--------|--|--|--------|--|--|
| NCAP    | 31     |  |  | 30    |  |  | 31     |  |  | 30     |  |  |
| %CAP    | 100.0% |  |  | 96.8% |  |  | 100.0% |  |  | 100.0% |  |  |
| MEAN    | 6.2    |  |  | 4.3   |  |  | 4.5    |  |  | 6.6    |  |  |

| ANNUAL   | Site Statistics |      |      |      |      |                 |      |      |      |      |      |
|----------|-----------------|------|------|------|------|-----------------|------|------|------|------|------|
| NCAP     | 122             | HIGH | 38.2 | 6th  | 11.7 | Year            | 2012 | 2013 | 2014 | 2015 | 2016 |
| %NCAP    | 99.2%           | 2nd  | 23.8 | 7th  | 11.3 | Annual Mean     | 6.4  | 7.8  | 7.2  | 7.4  | 5.4  |
| YMEAN    | 5.4             | 3rd  | 20.3 | 8th  | 10.7 | Annual High     | 31.6 | 51.9 | 35.5 | 55.3 | 38.2 |
| QYMEAN   | 5.4             | 4th  | 17.5 | 9th  | 10.6 | Annual 98 %-ile | 25   | 39   | 31   | 27   | 20   |
| 98 %-ile | 20.3            | 5th  | 16.5 | 10th | 10.5 | 3 Year 98 %-ile | 26   | 28   | 32   | 32   | 26   |