

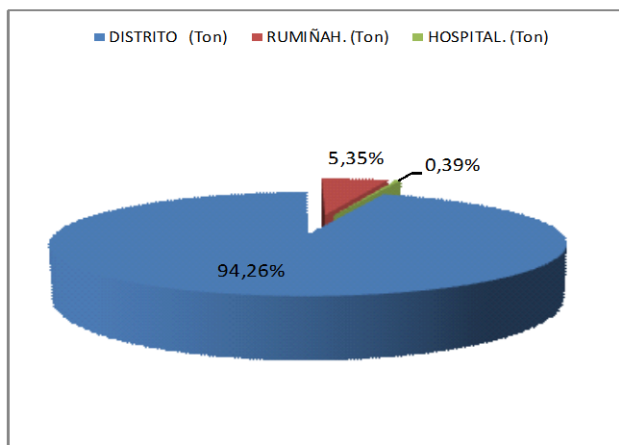
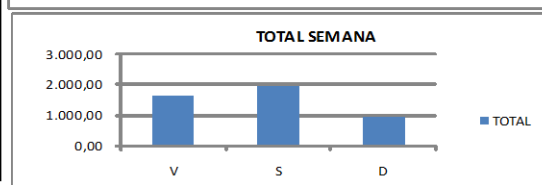
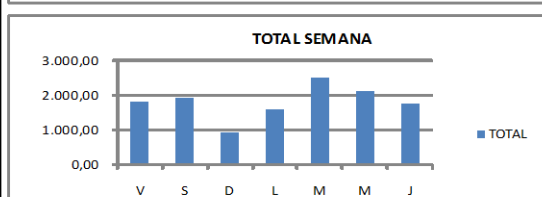
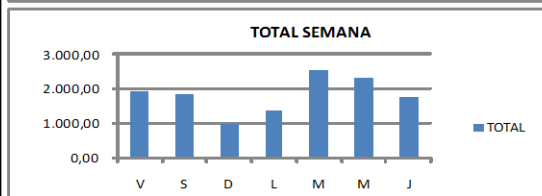
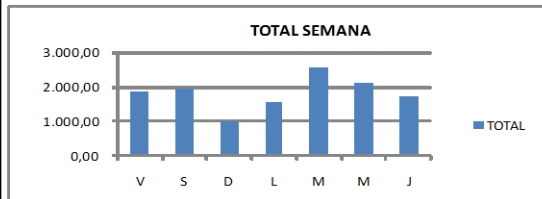
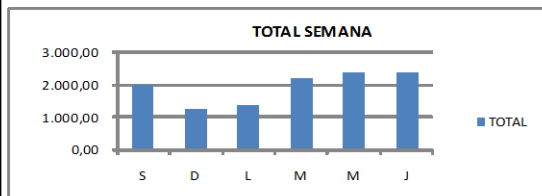
INFORME TÉCNICO SOBRE LA OPERACIÓN DEL RELLENO SANITARIO DE QUITO

EMGIRS-EP

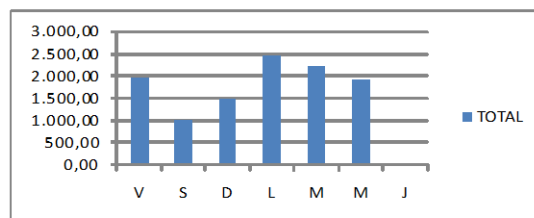
JUNIO 2013

1. INGRESO MENSUAL DE RESIDUOS SÓLIDOS AL RELLENO SANITARIO DE EL INGA

| JUNIO 2013 | | | | | |
|-----------------------|------------|------------------|-----------------|-----------------|------------------|
| DIA | FECHA | DISTRITO (Ton) | RUMINAH. (Ton) | HOSPITAL. (Ton) | TOTAL (Ton) |
| S | 01/06/2013 | 1940,11 | 75,96 | 0,00 | 2.016,07 |
| D | 02/06/2013 | 1139,82 | 108,32 | 0,00 | 1248,14 |
| L | 03/06/2013 | 1252,22 | 10,71 | 10,35 | 1373,28 |
| M | 04/06/2013 | 2070,81 | 20,02 | 12,96 | 2.203,79 |
| M | 05/06/2013 | 2276,28 | 90,97 | 13,05 | 2.380,30 |
| J | 06/06/2013 | 2276,41 | 87,27 | 10,88 | 2.374,56 |
| V | 07/06/2013 | 1751,10 | 94,92 | 10,13 | 1856,15 |
| S | 08/06/2013 | 1857,51 | 102,51 | 0,00 | 1960,02 |
| D | 09/06/2013 | 918,45 | 117,1 | 0,00 | 1020,15 |
| L | 10/06/2013 | 1445,67 | 117,09 | 10,90 | 1573,66 |
| M | 11/06/2013 | 2460,53 | 106,00 | 12,66 | 2.579,19 |
| M | 12/06/2013 | 2010,26 | 94,21 | 11,10 | 2.115,57 |
| J | 13/06/2013 | 1660,10 | 7168 | 9,79 | 174157 |
| V | 14/06/2013 | 1819,41 | 10151 | 7,60 | 1928,52 |
| S | 15/06/2013 | 1785,17 | 80,35 | 0,00 | 1865,52 |
| D | 16/06/2013 | 863,17 | 107,63 | 0,00 | 970,80 |
| L | 17/06/2013 | 1264,87 | 11131 | 3,02 | 1379,20 |
| M | 18/06/2013 | 2461,80 | 104,27 | 10,75 | 2.576,82 |
| M | 19/06/2013 | 2220,33 | 94,09 | 13,81 | 2.328,23 |
| J | 20/06/2013 | 1683,10 | 90,25 | 13,10 | 1786,45 |
| V | 21/06/2013 | 1705,38 | 97,95 | 17,92 | 1821,25 |
| S | 22/06/2013 | 1879,42 | 80,61 | 0,00 | 1960,03 |
| D | 23/06/2013 | 827,00 | 99,23 | 0,00 | 926,23 |
| L | 24/06/2013 | 1483,12 | 105,54 | 3,10 | 1591,76 |
| M | 25/06/2013 | 2386,92 | 18,87 | 13,84 | 2.519,63 |
| M | 26/06/2013 | 2039,64 | 88,78 | 9,98 | 2.138,40 |
| J | 27/06/2013 | 1659,26 | 87,93 | 10,94 | 1758,13 |
| V | 28/06/2013 | 1555,97 | 102,49 | 6,91 | 1665,37 |
| S | 29/06/2013 | 1877,68 | 7165 | 0,00 | 1949,33 |
| D | 30/06/2013 | 867,94 | 93,74 | 0,00 | 961,68 |
| TOTAL (Ton) | | 51.439,45 | 2.917,57 | 212,79 | 54.569,81 |
| PROMEDIO (Ton) | | 1.714,65 | 97,25 | 7,09 | 1.818,99 |

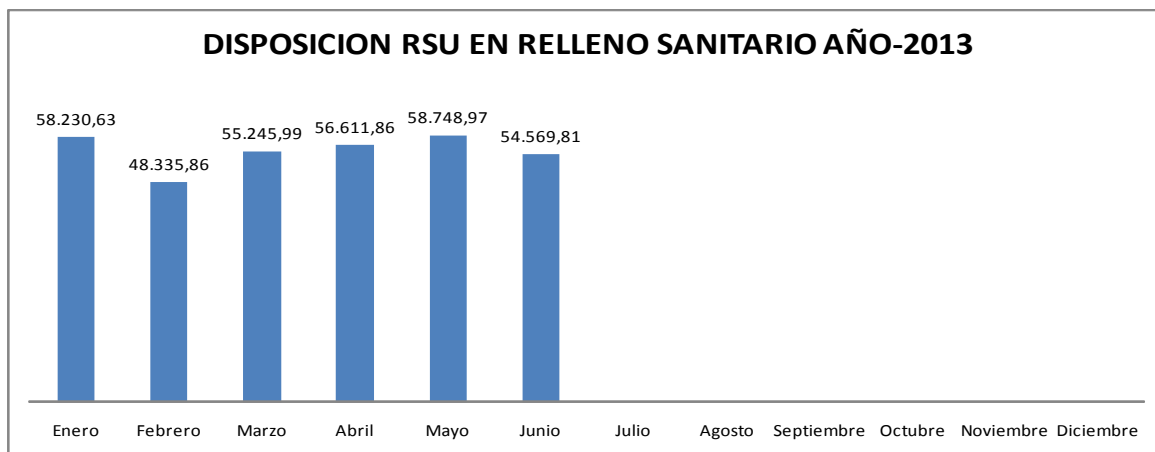


| DIA | PROMEDIO |
|-----------|----------|
| LUNES | 1817,82 |
| MARTES | 1960,19 |
| MIÉRCOLES | 1025,40 |
| JUEVES | 1479,48 |
| VIERNES | 2.469,86 |
| SABADO | 2.240,63 |
| DOMINGO | 1915,18 |



1.1 CONDENSADO MENSUAL

| DISPOSICION RSU EN RELLENO SANITARIO - AÑO 2013 | | | | |
|---|-------------------|------------------|---------------------|-------------------|
| MES | DISTRITO (Ton) | RUMIÑAHUI (Ton) | HOSPITALARIOS (Ton) | TOTAL (Ton) |
| Enero | 54.761,43 | 3238,91 | 230,286 | 58.230,63 |
| Febrero | 45.495,01 | 2.661,46 | 179,39 | 48.335,86 |
| Marzo | 52.061,30 | 2.967,44 | 217,25 | 55.245,99 |
| Abril | 53.368,41 | 2.983,62 | 259,83 | 56.611,86 |
| Mayo | 55.311,34 | 3.204,68 | 232,95 | 58.748,97 |
| Junio | 51.439,45 | 2.917,57 | 212,79 | 54.569,81 |
| Julio | | | | |
| Agosto | | | | |
| Septiembre | | | | |
| Octubre | | | | |
| Noviembre | | | | |
| Diciembre | | | | |
| TOTAL (Ton) | 312.436,94 | 17.973,68 | 1.332,50 | 331.743,12 |
| PROMEDIO (Ton) | 52.072,82 | 2.995,61 | 222,08 | 55.290,52 |



2. ESTACIONES DE TRANSFERENCIA

ET NORTE

| DIA | EMASEO (TON) | PARTICULARES (TON) | TRANSPORTADO (TON) | RECICLADO (TON) | INGRESADO (TON) | SALIDA (TON) |
|-----------------|------------------|-----------------------|-----------------------|--------------------|--------------------|------------------|
| sáb-01 | 1.097,73 | 12,78 | 1.095,40 | 12,21 | 1.110,51 | 1.107,61 |
| dom-02 | 407,63 | 37,63 | 461,77 | - | 445,26 | 461,77 |
| lun-03 | 1.139,56 | 15,61 | 755,34 | 16,42 | 1.155,17 | 771,76 |
| mar-04 | 1.507,76 | 7,62 | 1.329,74 | 2,36 | 1.515,38 | 1.332,10 |
| mié-05 | 1.010,66 | 17,40 | 1.267,46 | 18,41 | 1.028,06 | 1.285,87 |
| jue-06 | 1.001,07 | 15,87 | 1.008,62 | 34,71 | 1.016,94 | 1.043,33 |
| vie-07 | 1.062,83 | 27,10 | 969,26 | 19,29 | 1.089,93 | 988,55 |
| sáb-08 | 1.064,81 | 5,09 | 1.021,69 | 13,66 | 1.069,90 | 1.035,35 |
| dom-09 | 327,50 | 38,92 | 422,58 | - | 366,42 | 422,58 |
| lun-10 | 1.104,83 | 12,71 | 942,67 | 44,93 | 1.117,54 | 987,60 |
| mar-11 | 1.402,70 | 6,64 | 1.305,12 | 13,25 | 1.409,34 | 1.318,37 |
| mié-12 | 986,17 | 14,32 | 998,29 | 16,72 | 1.000,49 | 1.015,01 |
| jue-13 | 1.013,69 | 11,64 | 967,89 | 48,25 | 1.025,33 | 1.016,14 |
| vie-14 | 1.034,64 | 15,37 | 983,66 | 24,99 | 1.050,01 | 1.008,65 |
| sáb-15 | 1.073,28 | 14,27 | 1.065,06 | 2,22 | 1.087,55 | 1.067,28 |
| dom-16 | 374,12 | 37,59 | 415,58 | - | 411,71 | 415,58 |
| lun-17 | 1.034,34 | 21,57 | 870,87 | 8,95 | 1.055,91 | 879,82 |
| mar-18 | 1.406,29 | 15,95 | 1.401,15 | 1,23 | 1.422,24 | 1.402,38 |
| mié-19 | 1.045,84 | 17,24 | 999,02 | 0,32 | 1.063,08 | 999,34 |
| jue-20 | 967,94 | 14,21 | 991,92 | 13,71 | 982,15 | 1.005,63 |
| vie-21 | 975,26 | 16,21 | 932,29 | 7,01 | 991,47 | 939,30 |
| sáb-22 | 1.048,73 | 8,77 | 980,82 | 4,04 | 1.057,50 | 984,86 |
| dom-23 | 360,63 | 32,44 | 414,57 | - | 393,07 | 414,57 |
| lun-24 | 1.061,64 | 31,20 | 894,18 | 13,56 | 1.092,84 | 907,74 |
| mar-25 | 1.359,13 | 14,17 | 1.208,24 | 31,68 | 1.373,30 | 1.239,92 |
| mié-26 | 990,63 | 8,10 | 1.110,94 | 11,74 | 998,73 | 1.122,68 |
| jue-27 | 1.002,17 | 18,10 | 907,51 | 30,51 | 1.020,27 | 938,02 |
| vie-28 | 917,89 | 24,98 | 916,19 | 9,87 | 942,87 | 926,06 |
| sáb-29 | 1.070,76 | 9,26 | 1.004,52 | 8,81 | 1.080,02 | 1.013,33 |
| dom-30 | 347,33 | 33,64 | 407,95 | - | 380,97 | 407,95 |
| TOTAL | 29.197,56 | 556,40 | 1.340,36 | 408,85 | 29.753,96 | 28.459,15 |
| PROMEDIO | 973,25 | 18,55 | 935,01 | 13,63 | 991,80 | 948,64 |

Fuente: Información proporcionada por Fiscalización de la EMGIRS-EP

ET SUR

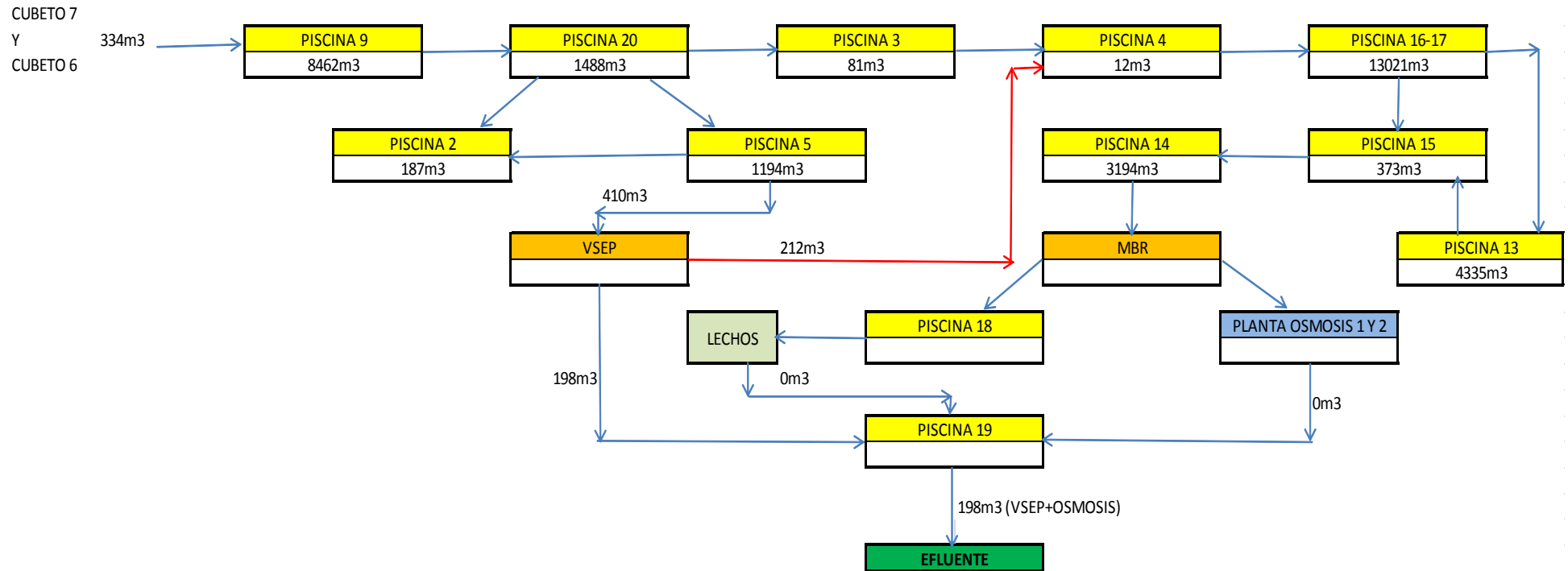
| DIA | EMASEO (TON) | PARTICULARES (TON) | TRANSPORTADO (TON) | INGRESADO (TON) | SALIDA (TON) |
|--------------|------------------|--------------------|--------------------|------------------|------------------|
| sáb-01 | 763,50 | 23,32 | 798,43 | 786,82 | 798,43 |
| dom-02 | 259,75 | 5,32 | 554,60 | 265,07 | 554,60 |
| lun-03 | 833,50 | 6,38 | 454,49 | 839,88 | 454,49 |
| mar-04 | 1.013,68 | 17,10 | 599,56 | 1.030,78 | 599,56 |
| mié-05 | 713,68 | 17,27 | 963,95 | 730,95 | 963,95 |
| jue-06 | 656,59 | 14,90 | 1.192,50 | 671,49 | 1.192,50 |
| vie-07 | 710,47 | 19,91 | 648,41 | 730,38 | 648,41 |
| sáb-08 | 765,83 | 19,62 | 811,24 | 785,45 | 811,24 |
| dom-09 | 222,92 | 13,57 | 338,70 | 236,49 | 338,70 |
| lun-10 | 770,69 | 8,99 | 621,32 | 779,68 | 621,32 |
| mar-11 | 961,45 | 18,41 | 971,89 | 979,86 | 971,89 |
| mié-12 | 707,13 | 23,35 | 827,01 | 730,48 | 827,01 |
| jue-13 | 641,01 | 11,90 | 680,34 | 652,91 | 680,34 |
| vie-14 | 735,34 | 7,96 | 696,36 | 743,30 | 696,36 |
| sáb-15 | 764,82 | 11,21 | 718,60 | 776,03 | 718,60 |
| dom-16 | 221,41 | 8,28 | 341,25 | 229,69 | 341,25 |
| lun-17 | 794,37 | 9,16 | 482,67 | 803,53 | 482,67 |
| mar-18 | 923,95 | 16,13 | 945,70 | 940,08 | 945,70 |
| mié-19 | 784,63 | 11,98 | 1.013,20 | 796,61 | 1.013,20 |
| jue-20 | 628,87 | 11,70 | 663,16 | 640,57 | 663,16 |
| vie-21 | 724,77 | 12,61 | 641,91 | 737,38 | 641,91 |
| sáb-22 | 704,00 | 4,92 | 778,57 | 708,92 | 778,57 |
| dom-23 | 256,80 | 12,13 | 314,88 | 268,93 | 314,88 |
| lun-24 | 790,94 | 10,49 | 668,19 | 801,43 | 668,19 |
| mar-25 | 974,75 | 10,77 | 915,87 | 985,52 | 915,87 |
| mié-26 | 652,05 | 5,69 | 861,88 | 657,74 | 861,88 |
| jue-27 | 716,93 | 11,10 | 684,99 | 728,03 | 684,99 |
| vie-28 | 680,93 | 5,96 | 687,03 | 686,89 | 687,03 |
| sáb-29 | 764,52 | 18,99 | 776,08 | 783,51 | 776,08 |
| dom-30 | 240,48 | 8,25 | 306,82 | 248,73 | 306,82 |
| TOTAL | 20.379,76 | 377,37 | 20.959,60 | 20.757,13 | 20.959,60 |

Fuente: Información proporcionada por Fiscalización de la EMGIRS-EP

3. VOLUMEN DIARIO/ MENSUAL DE LIXIVIADO EXTRAÍDO Y TRATADO.

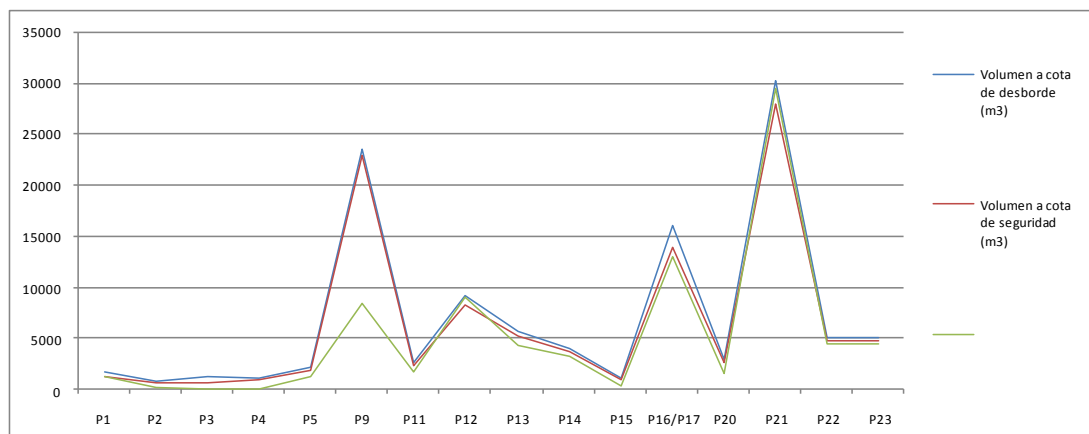
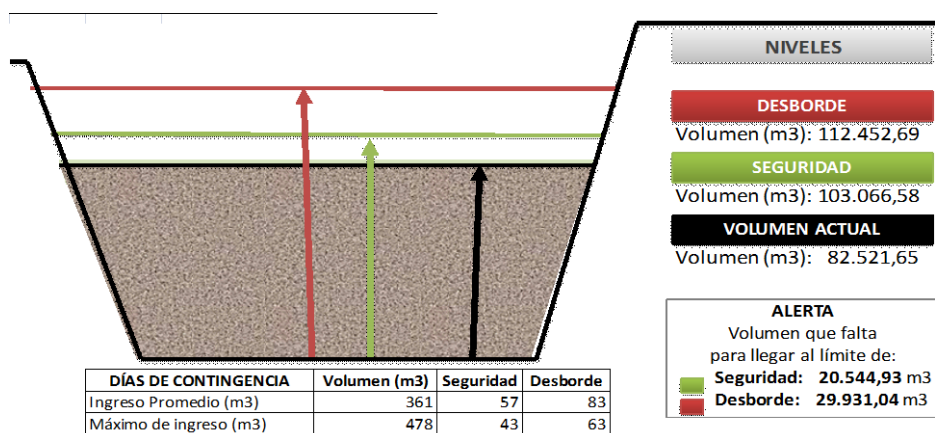
| FECHA | VOLUMENES ACUMULADOS | VOLUMEN INGRESADO | VOL TRATADO MBR:OSMOSIS+LECHOS | VOL TRATADO LECHOS | VOL TRATADO OSMOSIS | VOLUMEN TRATADO VSEP | VOL TRATADO TOTAL | VOLUMEN ACUMULADO |
|-----------------|----------------------|-------------------|--------------------------------|--------------------|---------------------|----------------------|-------------------|-------------------|
| 01/06/2013 | 93.766,19 | 349,30 | 92,55 | 62,54 | 30,01 | 199,00 | 229,01 | 120,29 |
| 02/06/2013 | 93.595,28 | 345,22 | 51,67 | 30,81 | 20,86 | 188,00 | 208,86 | 136,36 |
| 03/06/2013 | 92.511,24 | 403,47 | 36,78 | 23,68 | 13,11 | 208,00 | 221,11 | 182,36 |
| 04/06/2013 | 92.538,88 | 354,95 | 83,12 | 79,08 | 4,04 | 166,00 | 170,04 | 184,91 |
| 05/06/2013 | 91.744,80 | 354,95 | 100,03 | 79,11 | 20,92 | 188,00 | 208,92 | 146,03 |
| 06/06/2013 | 92.457,56 | 391,89 | 70,38 | 59,45 | 10,92 | 185,38 | 196,30 | 195,59 |
| 07/06/2013 | 92.497,75 | 403,86 | 93,86 | 69,68 | 24,18 | 182,22 | 206,40 | 197,46 |
| 08/06/2013 | 92.195,42 | 371,13 | 72,33 | 42,51 | 29,82 | 204,39 | 234,21 | 136,92 |
| 09/06/2013 | 92.390,58 | 364,66 | 0,00 | 0,00 | 0,00 | 212,23 | 212,23 | 152,43 |
| 10/06/2013 | 92.383,13 | 335,47 | 30,99 | 13,61 | 17,38 | 216,28 | 233,66 | 101,81 |
| 11/06/2013 | 92.311,91 | 323,90 | 53,59 | 29,91 | 23,67 | 214,18 | 237,85 | 86,05 |
| 12/06/2013 | 92.055,71 | 337,88 | 64,63 | 39,51 | 25,12 | 211,69 | 236,81 | 101,07 |
| 13/06/2013 | 91.991,14 | 463,03 | 51,59 | 29,46 | 22,13 | 211,69 | 233,82 | 229,21 |
| 14/06/2013 | 91.779,29 | 477,73 | 92,86 | 72,86 | 20,00 | 218,12 | 238,12 | 239,61 |
| 15/06/2013 | 91.312,72 | 393,15 | 104,65 | 84,07 | 20,58 | 198,86 | 219,44 | 173,71 |
| 16/06/2013 | 91.366,42 | 353,65 | 0,00 | 0,00 | 0,00 | 200,61 | 200,61 | 153,04 |
| 17/06/2013 | 91.270,34 | 364,07 | 67,64 | 46,99 | 20,64 | 197,64 | 218,28 | 145,79 |
| 18/06/2013 | 91.086,93 | 377,87 | 61,07 | 51,82 | 9,26 | 190,62 | 199,88 | 177,99 |
| 19/06/2013 | 89.995,73 | 396,63 | 113,64 | 87,00 | 26,64 | 205,29 | 231,93 | 164,70 |
| 20/06/2013 | 88.691,58 | 367,18 | 78,97 | 52,80 | 26,17 | 204,92 | 231,09 | 136,09 |
| 21/06/2013 | 88.303,52 | 331,75 | 78,25 | 55,21 | 23,04 | 192,51 | 215,55 | 116,20 |
| 22/06/2013 | 87.967,96 | 345,64 | 78,41 | 56,15 | 22,27 | 201,66 | 223,93 | 121,71 |
| 23/06/2013 | 87.198,37 | 345,73 | 0,00 | 0,00 | 0,00 | 201,20 | 201,20 | 144,53 |
| 24/06/2013 | 86.924,14 | 315,31 | 26,60 | 6,11 | 20,49 | 200,42 | 220,91 | 94,40 |
| 25/06/2013 | 86.040,15 | 360,56 | 49,34 | 40,66 | 8,68 | 202,11 | 210,79 | 149,77 |
| 26/06/2013 | 85.352,06 | 328,18 | 60,31 | 34,36 | 25,95 | 203,21 | 229,16 | 99,02 |
| 27/06/2013 | 84.607,12 | 327,73 | 88,87 | 65,73 | 23,14 | 196,21 | 219,35 | 108,38 |
| 28/06/2013 | 83.735,76 | 317,04 | 93,19 | 70,16 | 23,02 | 193,64 | 216,67 | 100,38 |
| 29/06/2013 | 82.613,23 | 299,24 | 92,40 | 55,31 | 37,09 | 184,16 | 221,25 | 77,99 |
| 30/06/2013 | 81.965,24 | 334,12 | 0,00 | 0,00 | 0,00 | 198,32 | 198,32 | 135,80 |
| PROMEDIO | 89.755,00 | 361,18 | 62,92 | 44,62 | 18,30 | 199,22 | 217,52 | 143,65 |

4. FLUJOGRAMA DE LIXIVIADOS Corte al 30 de junio 2013



5. VOLUMEN ALMACENADO EN CADA UNA DE LAS PISCINAS, TOTAL AL FIN DEL PERÍODO REPORTADO.

| Volumenes de Lixiviado en metros cúbicos (m3) almacenados en piscinas | | | | |
|---|---------------------------------|----------------------------------|--------------------------|----------------------------|
| Piscina | Volumen a cota de desborde (m3) | Volumen a cota de seguridad (m3) | Volumen 30 DE JUNIO (m3) | Volumen para desborde (m3) |
| P1 | 1.698,76 | 1.235,17 | 1.174,06 | 524,70 |
| P2 | 816,86 | 688,23 | 187,14 | 629,72 |
| P3 | 1.284,23 | 742,99 | 81,00 | 1.203,23 |
| P4 | 1.154,77 | 974,17 | 12,00 | 1.142,77 |
| P5 | 2.150,35 | 1.899,38 | 1.193,73 | 956,62 |
| P9 | 23.459,23 | 22.905,73 | 8.461,76 | 14.997,47 |
| P11 | 2.615,75 | 2.344,35 | 1.755,57 | 860,18 |
| P12 | 9.132,00 | 8.294,77 | 8.945,65 | 186,35 |
| P13 | 5.750,98 | 5.215,48 | 4.335,36 | 1.415,62 |
| P14 | 3.979,95 | 3.781,47 | 3.192,61 | 787,34 |
| P15 | 1.127,23 | 1.008,42 | 372,56 | 754,67 |
| P16/P17 | 15.985,68 | 13.888,91 | 13.021,38 | 2.964,30 |
| P20 | 2.995,64 | 2.710,72 | 1.487,76 | 1.507,88 |
| P21 | 30.162,11 | 27.912,89 | 29.472,45 | 689,66 |
| P22 | 5.069,57 | 4.731,95 | 4.431,35 | 638,22 |
| P23 | 5.069,57 | 4.731,95 | 4.397,27 | 672,30 |
| TOTALES | 112.452,69 | 103.066,58 | 82.521,65 | 29.931,04 |



6. TRATAMIENTO DE RESIDUOS HOSPITALARIOS

| CALENDARIO JUNIO 2013 | | PESO EN KILOS | | USUARIOS RECOLECTADOS |
|-----------------------|----|--------------------------|--|-----------------------|
| | | CARGA INGRESADA | CARGA TRATADA | |
| | | REGISTRO DE BASCULA R.S. | DISP. FINAL R.S REGISTRO DE BASCULA | |
| S | 1 | 0,00 | 0,00 | 0 |
| D | 2 | 0,00 | 0,00 | 0 |
| L | 3 | 15.520,00 | 10.350,00 | 81 |
| M | 4 | 13.730,00 | 12.960,00 | 86 |
| MI | 5 | 10.230,00 | 13.050,00 | 81 |
| J | 6 | 7.800,00 | 10.880,00 | 76 |
| V | 7 | 9.670,00 | 10.130,00 | 80 |
| S | 8 | 0,00 | 0,00 | 0 |
| D | 9 | 0,00 | 0,00 | 0 |
| L | 10 | 14.300,00 | 10.900,00 | 62 |
| M | 11 | 10.300,00 | 12.660,00 | 92 |
| MI | 12 | 8.710,00 | 11.100,00 | 75 |
| J | 13 | 8.490,00 | 9.790,00 | 101 |
| V | 14 | 10.430,00 | 7.600,00 | 95 |
| S | 15 | 0,00 | 0,00 | 0 |
| D | 16 | 0,00 | 0,00 | 0 |
| L | 17 | 13.830,00 | 3.020,00 | 56 |
| M | 18 | 12.760,00 | 10.750,00 | 99 |
| MI | 19 | 10.110,00 | 13.810,00 | 101 |
| J | 20 | 9.240,00 | 13.100,00 | 104 |
| V | 21 | 9.100,00 | 17.920,00 | 88 |
| S | 22 | 0,00 | 0,00 | 0 |
| D | 23 | 0,00 | 0,00 | 0 |
| L | 24 | 14.790,00 | 3.100,00 | 67 |
| M | 25 | 11.840,00 | 13.840,00 | 134 |
| MI | 26 | 8.310,00 | 9.980,00 | 101 |
| J | 27 | 9.060,00 | 10.940,00 | 115 |
| V | 28 | 10.000,00 | 6.910,00 | 111 |
| S | 29 | 0,00 | 0,00 | 0 |
| D | 30 | 0,00 | 0,00 | 0 |
| TOTAL MES | | 218.220,00 | 212.790,00 | 1.805 |

FUENTE: Planta de Tratamiento de Desechos Hospitalarios