

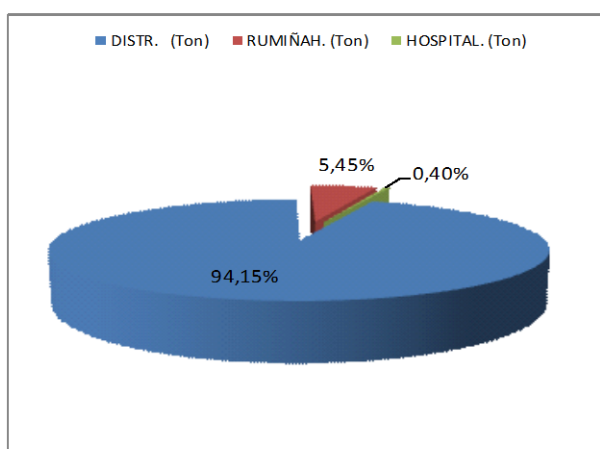
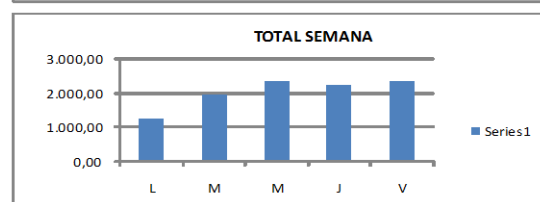
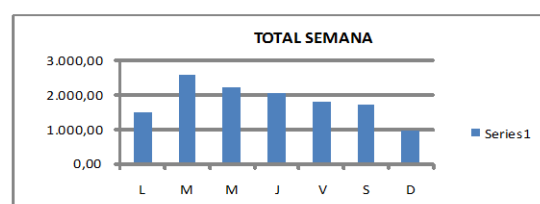
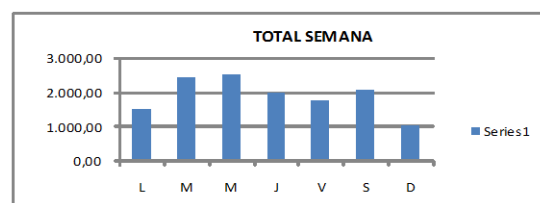
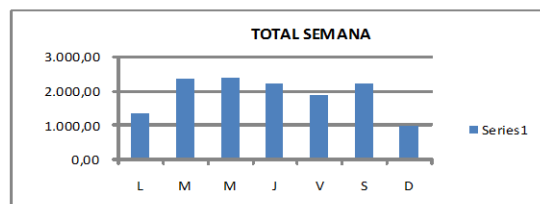
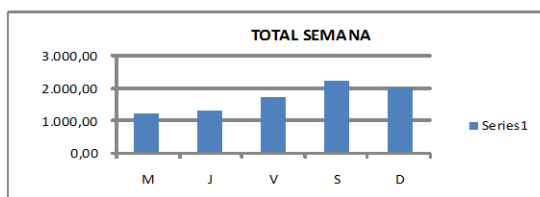
INFORME TÉCNICO SOBRE LA OPERACIÓN DEL RELLENO SANITARIO DE QUITO

EMGIRS-EP

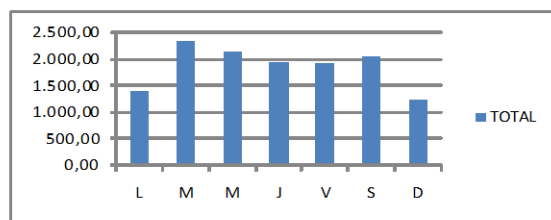
MAYO 2013

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

| M A Y O 2013 | | | | | |
|-----------------------|------------|------------------|-----------------|-----------------|------------------|
| DIA | FECHA | DISTR. (Ton) | RUMIÑAH. (Ton) | HOSPITAL. (Ton) | TOTAL (Ton) |
| M | 01/05/2013 | 1.57,70 | 99,50 | 0,00 | 1.257,20 |
| J | 02/05/2013 | 1.224,37 | 90,68 | 4,96 | 1.320,01 |
| V | 03/05/2013 | 1.619,17 | 114,37 | 17,57 | 1.751,11 |
| S | 04/05/2013 | 2.192,49 | 88,43 | 0,00 | 2.280,92 |
| D | 05/05/2013 | 1.902,55 | 107,49 | 0,00 | 2.010,04 |
| L | 06/05/2013 | 1.211,43 | 130,15 | 14,03 | 1.355,62 |
| M | 07/05/2013 | 2.232,57 | 89,73 | 13,02 | 2.335,32 |
| M | 08/05/2013 | 2.287,70 | 102,27 | 9,43 | 2.399,40 |
| J | 09/05/2013 | 2.196,02 | 89,79 | 11,85 | 2.237,66 |
| V | 10/05/2013 | 1.750,92 | 87,91 | 9,52 | 1.848,35 |
| S | 11/05/2013 | 2.105,86 | 105,94 | 0,00 | 2.211,80 |
| D | 12/05/2013 | 906,31 | 106,93 | 0,00 | 1.013,24 |
| L | 13/05/2013 | 1.394,24 | 129,34 | 12,04 | 1.535,62 |
| M | 14/05/2013 | 2.360,77 | 105,26 | 11,20 | 2.477,23 |
| M | 15/05/2013 | 2.432,01 | 108,32 | 8,23 | 2.548,56 |
| J | 16/05/2013 | 1.904,25 | 95,45 | 12,32 | 2.012,02 |
| V | 17/05/2013 | 1.709,59 | 107,81 | 10,42 | 1.827,82 |
| S | 18/05/2013 | 1.996,55 | 100,23 | 0,00 | 2.096,78 |
| D | 19/05/2013 | 949,28 | 94,11 | 0,00 | 1.043,39 |
| L | 20/05/2013 | 1.378,27 | 135,96 | 4,72 | 1.518,95 |
| M | 21/05/2013 | 2.505,15 | 99,40 | 13,02 | 2.617,57 |
| M | 22/05/2013 | 2.143,24 | 93,78 | 9,60 | 2.246,62 |
| J | 23/05/2013 | 1.937,70 | 102,29 | 13,43 | 2.058,42 |
| V | 24/05/2013 | 1.709,65 | 109,43 | 0,00 | 1.819,08 |
| S | 25/05/2013 | 1.633,37 | 82,28 | 0,00 | 1.715,65 |
| D | 26/05/2013 | 843,34 | 106,11 | 0,00 | 949,45 |
| L | 27/05/2013 | 1.152,47 | 115,04 | 3,23 | 1.270,74 |
| M | 28/05/2013 | 1.869,81 | 111,13 | 8,15 | 1.989,14 |
| M | 29/05/2013 | 2.261,00 | 89,71 | 11,54 | 2.362,25 |
| J | 30/05/2013 | 2.118,25 | 110,04 | 14,95 | 2.234,24 |
| V | 31/05/2013 | 2.285,31 | 103,74 | 14,72 | 2.403,77 |
| TOTAL (Ton) | | 55.311,34 | 3.204,68 | 232,95 | 58.748,97 |
| PROMEDIO (Ton) | | 1.784,24 | 103,38 | 7,51 | 1.895,13 |

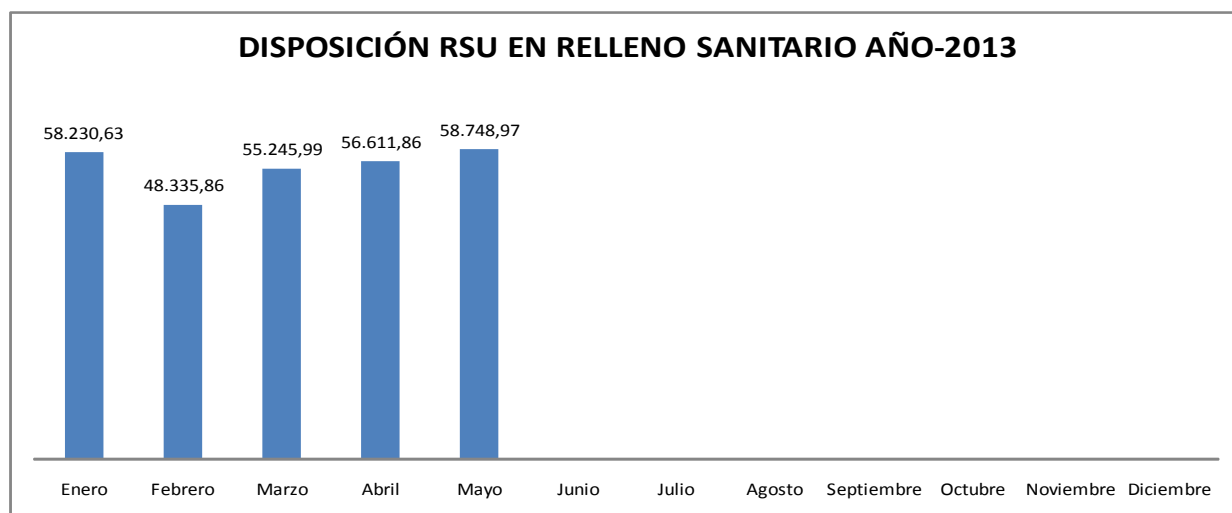


| DIA | PROMEDIO |
|-----------|----------|
| LUNES | 1420,48 |
| MARTES | 2.354,82 |
| MIERCOLES | 2.162,81 |
| JUEVES | 1972,47 |
| VIERNES | 1930,03 |
| SABADO | 2.076,29 |
| DOMINGO | 1254,03 |



1.1 CONDENSADO MENSUAL

| DISPOSICIÓN 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 | | | | |
| Julio | | | | |
| Agosto | | | | |
| Septiembre | | | | |
| Octubre | | | | |
| Noviembre | | | | |
| Diciembre | | | | |
| TOTAL (Ton) | 260.997,49 | 15.056,11 | 1.119,71 | 277.173,31 |
| PROMEDIO (Ton) | 52.199,50 | 3.011,22 | 223,94 | 55.434,66 |



2. ESTACIONES DE TRANSFERENCIA

ET NORTE

| DIA | EMASEO (TON) | PARTICULARES (TON) | TRANSPORTADO (TON) | RECICLADO (TON) | INGRESADO (TON) | SALIDA (TON) |
|--------------|------------------|-----------------------|-----------------------|--------------------|--------------------|------------------|
| mié-01 | 507,16 | 7,87 | 538,08 | 1,88 | 515,03 | 539,96 |
| jue-02 | 882,50 | 19,26 | 762,34 | 31,02 | 901,76 | 793,36 |
| vie-03 | 1.471,61 | 16,70 | 1.058,31 | 51,66 | 1.488,31 | 1.109,97 |
| sáb-04 | 1.214,11 | 10,63 | 1.106,66 | 2,58 | 1.224,74 | 1.109,24 |
| dom-05 | 414,96 | 40,43 | 930,77 | - | 455,39 | 930,77 |
| lun-06 | 1.060,35 | 14,32 | 821,22 | 14,46 | 1.074,67 | 835,68 |
| mar-07 | 1.481,16 | 22,84 | 1.311,72 | 8,17 | 1.504,00 | 1.319,89 |
| mié-08 | 1.108,45 | 11,94 | 1.085,50 | 27,76 | 1.120,39 | 1.113,26 |
| jue-09 | 1.104,91 | 12,01 | 1.226,79 | 28,78 | 1.116,92 | 1.255,57 |
| vie-10 | 1.035,29 | 16,82 | 983,25 | 22,82 | 1.052,11 | 1.006,07 |
| sáb-11 | 1.092,32 | 17,32 | 1.083,40 | 2,55 | 1.109,64 | 1.085,95 |
| dom-12 | 375,80 | 37,70 | 435,35 | - | 413,50 | 435,35 |
| lun-13 | 1.107,80 | 19,64 | 908,52 | 10,14 | 1.127,44 | 918,66 |
| mar-14 | 1.519,15 | 12,02 | 1.253,91 | 11,76 | 1.531,17 | 1.265,67 |
| mié-15 | 1.057,50 | 11,14 | 1.275,64 | 61,37 | 1.068,64 | 1.337,01 |
| jue-16 | 1.060,21 | 31,93 | 1.022,68 | 32,67 | 1.092,14 | 1.055,35 |
| vie-17 | 1.069,22 | 14,71 | 991,39 | 33,35 | 1.083,93 | 1.024,74 |
| sáb-18 | 1.124,84 | 6,91 | 1.085,79 | 3,24 | 1.131,75 | 1.089,03 |
| dom-19 | 339,18 | 42,53 | 451,36 | - | 381,71 | 451,36 |
| lun-20 | 1.147,00 | 22,08 | 879,17 | 26,86 | 1.169,08 | 906,03 |
| mar-21 | 1.446,75 | 13,42 | 1.383,73 | 17,71 | 1.460,17 | 1.401,44 |
| mié-22 | 1.074,33 | 9,33 | 1.117,73 | 22,70 | 1.083,66 | 1.140,43 |
| jue-23 | 1.055,72 | 16,77 | 1.008,44 | 27,01 | 1.072,49 | 1.035,45 |
| vie-24 | 849,73 | 8,55 | 854,07 | 5,93 | 858,28 | 860,00 |
| sáb-25 | 1.023,77 | 9,26 | 941,63 | 2,55 | 1.033,03 | 944,18 |
| dom-26 | 323,97 | 34,21 | 378,86 | - | 358,18 | 378,86 |
| lun-27 | 1.239,16 | 12,39 | 640,68 | 14,87 | 1.251,55 | 655,55 |
| mar-28 | 1.486,54 | 16,90 | 1.121,75 | 14,83 | 1.503,44 | 1.136,58 |
| mié-29 | 981,30 | 16,69 | 1.292,84 | 32,05 | 997,99 | 1.324,89 |
| jue-30 | 1.087,56 | 7,45 | 1.129,10 | 22,64 | 1.095,01 | 1.151,74 |
| vie-31 | 1.073,05 | 22,06 | 1.340,36 | 5,79 | 1.095,11 | 1.346,15 |
| TOTAL | 31.815,40 | 555,83 | 30.421,04 | 537,15 | 32.371,23 | 30.958,19 |

Fuente: Información proporcionada por Fiscalización de la EMGIRS-EP

ET SUR

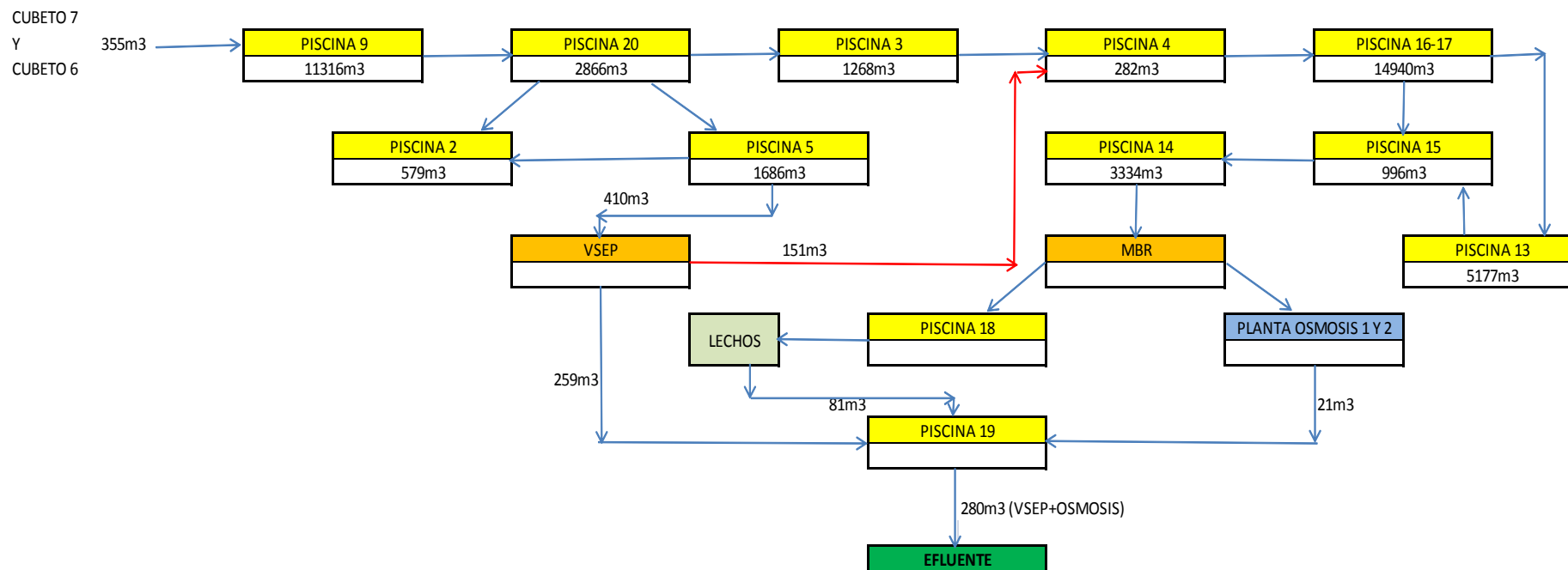
| DIA | EMASEO (TON) | PARTICULARES (TON) | TRANSPORTADO (TON) | INGRESADO (TON) | SALIDA (TON) |
|--------------|------------------|--------------------|--------------------|------------------|------------------|
| mié-01 | 421,08 | 4,32 | 501,26 | 425,40 | 501,26 |
| jue-02 | 614,00 | 2,28 | 490,00 | 616,28 | 490,00 |
| vie-03 | 990,61 | 8,08 | 541,29 | 998,69 | 541,29 |
| sáb-04 | 963,84 | 1,78 | 1.056,86 | 965,62 | 1.056,86 |
| dom-05 | 289,84 | 7,59 | 739,49 | 297,43 | 739,49 |
| lun-06 | 761,16 | 20,61 | 483,45 | 781,77 | 483,45 |
| mar-07 | 943,31 | 2,69 | 912,53 | 946,00 | 912,53 |
| mié-08 | 925,20 | 7,62 | 1.029,83 | 932,82 | 1.029,83 |
| jue-09 | 663,20 | 2,60 | 778,06 | 665,80 | 778,06 |
| vie-10 | 776,82 | 7,11 | 717,10 | 783,93 | 717,10 |
| sáb-11 | 798,30 | 2,24 | 890,49 | 800,54 | 890,49 |
| dom-12 | 210,45 | 4,62 | 280,89 | 215,07 | 280,89 |
| lun-13 | 816,92 | 0,57 | 529,00 | 817,49 | 529,00 |
| mar-14 | 1.055,20 | 40,61 | 1.049,01 | 1.095,81 | 1.049,01 |
| mié-15 | 832,17 | 11,72 | 934,26 | 843,89 | 934,26 |
| jue-16 | 605,26 | 3,43 | 765,70 | 608,69 | 765,70 |
| vie-17 | 748,20 | 7,54 | 674,41 | 755,74 | 674,41 |
| sáb-18 | 798,66 | 5,16 | 825,64 | 803,82 | 825,64 |
| dom-19 | 228,10 | 6,27 | 324,75 | 234,37 | 324,75 |
| lun-20 | 807,28 | 1,26 | 544,73 | 808,54 | 544,73 |
| mar-21 | 1.064,56 | 1,62 | 994,29 | 1.066,18 | 994,29 |
| mié-22 | 737,03 | 8,92 | 949,26 | 745,95 | 949,26 |
| jue-23 | 667,51 | 4,67 | 732,01 | 672,18 | 732,01 |
| vie-24 | 637,89 | 25,52 | 655,67 | 663,41 | 655,67 |
| sáb-25 | 776,99 | 14,13 | 754,44 | 791,12 | 754,44 |
| dom-26 | 260,98 | 9,40 | 353,58 | 270,38 | 353,58 |
| lun-27 | 862,97 | 14,51 | 546,98 | 877,48 | 546,98 |
| mar-28 | 1.020,30 | 13,35 | 633,25 | 1.033,65 | 633,25 |
| mié-29 | 798,46 | 31,74 | 866,99 | 830,20 | 866,99 |
| jue-30 | 614,47 | 20,68 | 979,70 | 635,15 | 979,70 |
| vie-31 | 722,10 | 16,98 | 776,13 | 739,08 | 776,13 |
| TOTAL | 22.412,86 | 309,62 | 22.311,05 | 22.722,48 | 22.311,05 |

Fuente: Información proporcionada por Fiscalización de la EMGIRS-EP

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

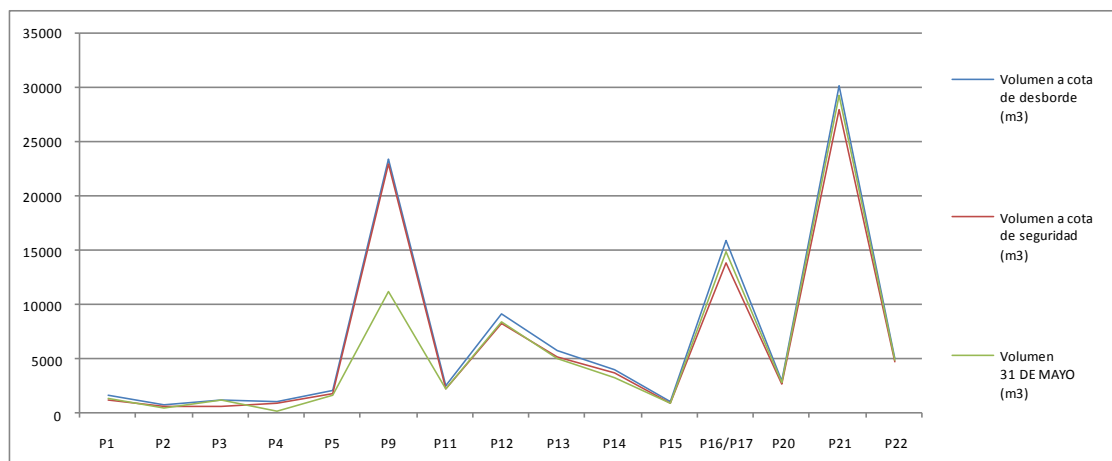
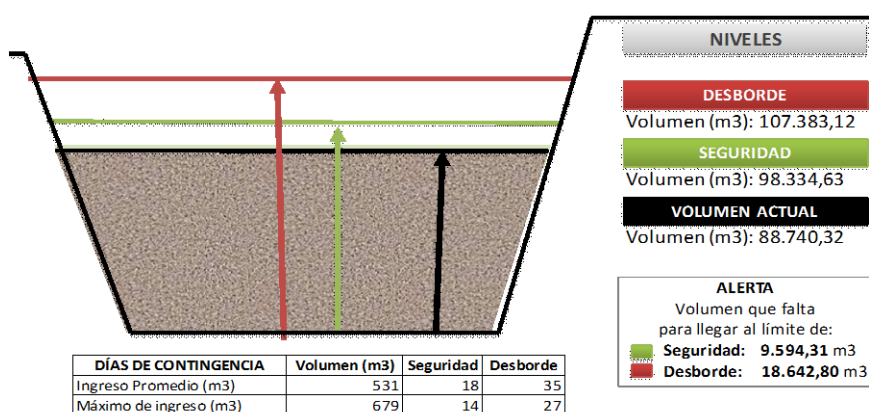
| FECHA | VOLUMENES ACUMULADOS | VOLUMEN INGRESADO | VOL TRATADO MBR:OSMOSIS+LECHOS | VOL TRATADO LECHOS | VOL TRATADO OSMOSIS | VOLUMEN TRATADO VSEP | VOL TRATADO TOTAL | VOLUMEN ACUMULADO |
|-----------------|----------------------|-------------------|--------------------------------|--------------------|---------------------|----------------------|-------------------|-------------------|
| 01/05/2013 | 83.383,82 | 616,20 | 88,60 | 69,77 | 18,83 | 96,78 | 115,61 | 500,59 |
| 02/05/2013 | 83.402,14 | 579,21 | 96,12 | 66,78 | 29,34 | 33,41 | 62,75 | 516,46 |
| 03/05/2013 | 83.712,24 | 431,55 | 107,64 | 85,26 | 22,38 | 28,20 | 50,58 | 380,97 |
| 04/05/2013 | 83.742,91 | 572,13 | 98,59 | 77,58 | 21,01 | 44,19 | 65,20 | 506,93 |
| 05/05/2013 | 84.142,03 | 592,49 | 112,17 | 97,54 | 14,63 | 37,82 | 52,45 | 540,04 |
| 06/05/2013 | 84.617,12 | 661,99 | 48,01 | 36,56 | 11,45 | 82,41 | 93,86 | 568,13 |
| 07/05/2013 | 85.048,28 | 631,32 | 70,97 | 42,43 | 28,54 | 94,00 | 122,54 | 508,78 |
| 08/05/2013 | 85.408,52 | 553,39 | 87,06 | 57,87 | 29,19 | 134,91 | 164,10 | 389,29 |
| 09/05/2013 | 84.587,66 | 587,47 | 86,30 | 58,75 | 27,55 | 140,04 | 167,59 | 419,88 |
| 10/05/2013 | 84.805,97 | 590,69 | 82,20 | 55,95 | 26,25 | 45,56 | 71,81 | 518,88 |
| 11/05/2013 | 85.229,23 | 616,20 | 54,81 | 40,03 | 14,78 | 0,00 | 14,78 | 601,42 |
| 12/05/2013 | 85.944,48 | 564,32 | 16,01 | 10,00 | 6,01 | 0,00 | 6,01 | 558,31 |
| 13/05/2013 | 86.174,13 | 679,41 | 60,69 | 49,48 | 11,21 | 47,35 | 58,56 | 620,85 |
| 14/05/2013 | 86.264,21 | 611,50 | 55,29 | 25,10 | 30,19 | 68,84 | 99,03 | 512,47 |
| 15/05/2013 | 86.692,10 | 558,11 | 84,61 | 57,59 | 27,02 | 175,79 | 202,81 | 355,30 |
| 16/05/2013 | 86.941,85 | 578,97 | 92,20 | 65,29 | 26,91 | 122,36 | 149,27 | 429,70 |
| 17/05/2013 | 87.236,10 | 578,97 | 98,33 | 72,70 | 25,63 | 62,63 | 88,26 | 490,71 |
| 18/05/2013 | 87.465,37 | 526,10 | 93,89 | 70,76 | 23,13 | 72,29 | 95,42 | 430,68 |
| 19/05/2013 | 87.859,58 | 568,46 | 63,91 | 39,57 | 24,33 | 0,00 | 24,33 | 544,13 |
| 20/05/2013 | 88.174,07 | 529,76 | 57,59 | 29,13 | 28,46 | 106,49 | 134,95 | 394,81 |
| 21/05/2013 | 88.579,06 | 565,02 | 101,16 | 79,53 | 21,64 | 12,61 | 34,25 | 530,77 |
| 22/05/2013 | 88.959,19 | 579,28 | 64,56 | 39,24 | 25,32 | 51,08 | 76,40 | 502,88 |
| 23/05/2013 | 89.156,36 | 579,28 | 56,45 | 35,69 | 20,76 | 262,87 | 283,63 | 295,65 |
| 24/05/2013 | 89.294,52 | 493,36 | 78,68 | 57,00 | 21,68 | 257,63 | 279,31 | 214,05 |
| 25/05/2013 | 89.252,35 | 393,58 | 79,05 | 57,00 | 22,05 | 247,05 | 269,10 | 124,48 |
| 26/05/2013 | 89.025,19 | 365,88 | 44,94 | 30,00 | 14,94 | 175,60 | 190,54 | 175,34 |
| 27/05/2013 | 88.909,52 | 341,48 | 61,47 | 50,12 | 11,35 | 248,12 | 259,47 | 82,01 |
| 28/05/2013 | 88.777,96 | 350,56 | 109,81 | 83,30 | 26,51 | 257,24 | 283,75 | 66,81 |
| 29/05/2013 | 88.569,46 | 357,49 | 99,17 | 74,12 | 25,05 | 243,12 | 268,17 | 89,32 |
| 30/05/2013 | 88.777,88 | 445,18 | 97,69 | 74,25 | 23,44 | 181,47 | 204,91 | 240,27 |
| 31/05/2013 | 88.910,19 | 355,61 | 102,58 | 81,02 | 21,56 | 259,20 | 280,76 | 74,85 |
| PROMEDIO | 86.743,34 | 530,81 | 79,05 | 57,08 | 21,97 | 115,78 | 137,75 | 393,06 |

4. FLUJOGRAMA DE LIXIVIADOS Corte al 31-Mayo-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 31 DE MAYO (m3) | Volumen para desborde (m3) |
| P1 | 1.698,76 | 1.235,17 | 1.380,94 | 317,82 |
| P2 | 816,86 | 688,23 | 560,57 | 256,29 |
| P3 | 1.284,23 | 742,99 | 1.249,89 | 34,34 |
| P4 | 1.154,77 | 974,17 | 263,46 | 891,31 |
| P5 | 2.150,35 | 1.899,38 | 1.673,40 | 476,95 |
| P9 | 23.459,23 | 22.905,73 | 11.330,96 | 12.128,27 |
| P11 | 2.615,75 | 2.344,35 | 2.273,38 | 342,37 |
| P12 | 9.132,00 | 8.294,77 | 8.520,72 | 611,28 |
| P13 | 5.750,98 | 5.215,48 | 5.098,42 | 652,56 |
| P14 | 3.979,95 | 3.781,47 | 3.315,19 | 664,76 |
| P15 | 1.127,23 | 1.008,42 | 977,55 | 149,68 |
| P16/P17 | 15.985,68 | 13.888,91 | 14.964,10 | 1.021,58 |
| P20 | 2.995,64 | 2.710,72 | 2.847,37 | 148,27 |
| P21 | 30.162,11 | 27.912,89 | 29.347,68 | 814,43 |
| P22 | 5.069,57 | 4.731,95 | 4.936,70 | 132,87 |
| TOTALES | 107.383,12 | 98.334,63 | 88.740,32 | 18.642,79 |



6. TRATAMIENTO DE RESIDUOS HOSPITALARIOS

| CALENDARIO MAYO 2013 | | PESO EN KILOS | |
|----------------------|----|-----------------------------|---|
| | | CARGA INGRESADA | CARGA TRATADA |
| | | REGISTRO DE BASCULA R.S. | DISP. FINAL R.S REGISTRO DE BASCULA |
| MI | 1 | 0,00 | 0,00 |
| J | 2 | 12.660,00 | 4.960,00 |
| V | 3 | 10.450,00 | 17.570,00 |
| S | 4 | 0,00 | 0,00 |
| D | 5 | 0,00 | 0,00 |
| L | 6 | 13.970,00 | 14.030,00 |
| M | 7 | 9.720,00 | 13.020,00 |
| MI | 8 | 9.950,00 | 9.430,00 |
| J | 9 | 8.680,00 | 11.850,00 |
| V | 10 | 9.200,00 | 9.520,00 |
| S | 11 | 0,00 | 0,00 |
| D | 12 | 0,00 | 0,00 |
| L | 13 | 13.770,00 | 12.040,00 |
| M | 14 | 9.820,00 | 11.200,00 |
| MI | 15 | 10.550,00 | 8.230,00 |
| J | 16 | 8.440,00 | 12.320,00 |
| V | 17 | 10.190,00 | 10.420,00 |
| S | 18 | 0,00 | 0,00 |
| D | 19 | 0,00 | 0,00 |
| L | 20 | 14.650,00 | 4.720,00 |
| M | 21 | 10.630,00 | 13.020,00 |
| MI | 22 | 10.780,00 | 9.600,00 |
| J | 23 | 8.600,00 | 18.430,00 |
| V | 24 | 0,00 | 0,00 |
| S | 25 | 0,00 | 0,00 |
| D | 26 | 0,00 | 0,00 |
| L | 27 | 6.780,00 | 3.230,00 |
| M | 28 | 15.844,90 | 8.150,00 |
| MI | 29 | 12.450,00 | 11.540,00 |
| J | 30 | 7.240,00 | 14.950,00 |
| V | 31 | 8.260,00 | 14.720,00 |
| TOTAL MES | | 222.634,90 | 232.950,00 |

FUENTE: Planta de Tratamiento de Desechos Hospitalarios