

# **INFORME DE OPERACIONES DEL RELLENO SANITARIO EL INGA ESTACIONES DE TRANSFERENCIA NORTE Y SUR**

## **EMPRESA PÚBLICA METROPOLITANA DE GESTIÓN INTEGRAL DE RESIDUOS SÓLIDOS**

### **NOVIEMBRE - 2014**

#### **1.1 RESIDUOS SÓLIDOS URBANOS INGRESADOS AL RELLENO SANITARIO**

nov-14			
FECHA	DISTRITO (Ton)	RUMIÑAHUI (Ton)	TOTAL RSU QUE INGRESAN A DISPOSICION (Ton)
01-nov-14	1,875.44	74.10	1,949.54
02-nov-14	836.93	116.30	953.23
03-nov-14	1,188.62	109.50	1,298.12
04-nov-14	2,124.21	82.10	2,206.31
05-nov-14	2,225.83	146.60	2,372.43
06-nov-14	1,966.13	104.60	2,070.73
07-nov-14	1,863.39	128.30	1,991.69
08-nov-14	1,995.03	69.40	2,064.43
09-nov-14	899.24	107.00	1,006.24
10-nov-14	1,594.15	112.34	1,706.49
11-nov-14	2,397.87	117.55	2,515.42
12-nov-14	2,196.80	116.16	2,312.96
13-nov-14	1,814.17	112.20	1,926.37
14-nov-14	1,894.07	135.74	2,029.81
15-nov-14	2,008.59	82.90	2,091.49
16-nov-14	901.65	99.97	1,001.62
17-nov-14	1,603.00	127.30	1,730.30
18-nov-14	2,569.48	137.90	2,707.38
19-nov-14	2,092.59	127.22	2,219.81
20-nov-14	1,727.46	106.55	1,834.01
21-nov-14	1,342.22	109.30	1,451.52
22-nov-14	1,452.88	85.80	1,538.68
23-nov-14	1,786.62	131.40	1,918.02
24-nov-14	1,707.46	120.20	1,827.66
25-nov-14	2,606.63	135.90	2,742.53
26-nov-14	1,934.48	94.80	2,029.28
27-nov-14	1,778.45	90.60	1,869.05
28-nov-14	1,877.08	114.60	1,991.68
29-nov-14	1,931.60	78.80	2,010.40
30-nov-14	899.84	100.80	1,000.64
<b>TOTAL</b>			<b>56,367.84</b>

## 1.2 RESIDUOS SÓLIDOS URBANOS INGRESADOS A LAS ESTACIONES DE TRANSFERENCIA NORTE Y SUR

PERIODO		ESTACION DE TRANSFERENCIA NORTE			ESTACION DE TRANSFERENCIA SUR	
noviembre						
AÑO	Día	TRANSPORT ADO (TON)	RECICLADO (TON)	INGRESO (TON)	TRANSPORT ADO (TON)	INGRESO (TON)
2014	sáb-01	1,067.06	-	1,075.16	755.44	789.81
	dom-02	400.37	-	383.44	379.55	328.13
	lun-03	584.63	1.51	645.26	577.83	641.75
	mar-04	1,159.71	7.67	1,243.54	857.82	897.46
	mié-05	1,138.58	19.94	1,155.28	945.21	905.55
	jue-06	1,036.58	27.83	1,070.92	792.06	739.59
	vie-07	1,038.74	21.82	990.07	759.42	807.60
	sáb-08	993.66	3.07	1,040.65	912.44	861.11
	dom-09	475.83	-	428.84	329.68	298.69
	lun-10	934.02	17.59	1,055.69	660.62	777.03
	mar-11	1,377.95	27.30	1,430.36	935.23	941.86
	mié-12	1,048.75	14.89	953.65	846.87	826.65
	jue-13	965.05	46.21	1,057.61	782.04	748.08
	vie-14	1,043.47	41.39	1,064.80	756.45	824.48
	sáb-15	1,047.63	5.79	1,027.57	854.12	761.33
	dom-16	457.84	-	429.22	314.41	345.05
	lun-17	979.55	4.15	1,076.73	682.95	807.78
	mar-18	1,413.74	14.25	1,465.25	1,024.40	1,023.84
	mié-19	965.88	15.60	917.75	848.56	749.56
	jue-20	881.01	10.29	982.45	749.76	737.30
	vie-21	710.90	27.96	990.43	437.29	721.68
	sáb-22	827.09	0.38	1,051.87	567.96	782.51
	dom-23	958.27	-	406.39	807.65	307.04
	lun-24	978.26	19.91	1,071.50	725.76	800.08
	mar-25	1,411.72	30.68	1,421.59	1,096.55	1,107.16
	mié-26	952.69	34.20	956.55	799.45	722.43
	jue-27	959.45	25.68	1,022.55	694.02	673.97
	vie-28	976.85	15.15	1,015.31	723.29	790.67
	sáb-29	1,046.18	12.45	1,037.29	876.29	841.01
	dom-30	493.76	-	420.22	345.88	303.69
<b>TOTAL</b>		<b>28,325.22</b>	<b>445.71</b>	<b>28,887.94</b>	<b>21,839.00</b>	<b>21,862.89</b>
<b>PROMEDIO</b>		<b>944.17</b>	<b>14.86</b>	<b>962.93</b>	<b>727.97</b>	<b>728.76</b>

### 1.3 DESECHOS HOSPITALARIOS

N° DIAS TRABAJADOS	FECHA	TONELADAS INGRESADAS	TONELADAS TRATADAS
1	03/11/2014	15.60	13.60
2	04/11/2014	9.20	11.10
3	05/11/2014	10.10	5.20
4	06/11/2014	10.10	12.50
5	07/11/2014	11.10	13.70
6	10/11/2014	17.60	14.65
7	11/11/2014	10.27	16.70
8	12/11/2014	9.52	7.52
9	13/11/2014	9.18	12.70
10	14/11/2014	10.65	3.10
11	17/11/2014	17.10	19.70
12	18/11/2014	10.99	15.60
13	19/11/2014	11.63	11.60
14	20/11/2014	8.97	15.80
15	21/11/2014	10.67	9.20
16	24/11/2014	16.83	10.40
17	25/11/2014	10.80	14.60
18	26/11/2014	10.80	9.80
19	27/11/2014	9.60	12.60
20	28/11/2014	10.80	10.70
<b>TOTAL</b>		<b>231.51</b>	<b>240.77</b>
<b>PROMEDIO DIARIO</b>		<b>11.58</b>	<b>12.04</b>

### 1.4 VOLÚMENES INGRESADOS Y TRATADOS DE LIXIVIADO

RESUMEN DEL MES DE NOVIEMBRE VOLUMENES DE LAS PISCINAS Y VOLUMENES TRATADOS									
FECHA	VOLUMEN ACUMULADO, m3	INGRESO POR CUBETOS	PLANTA PTL	PLANTA MBR	PLANTA VSEP	TRATAMIENTO	VARIABLES DE OPERACIÓN		
		VOLUMEN INGRESADO, m3	VOLUMEN PRE-TRATADO, m3 (2)	VOL TRATADO OSMOSIS, m3	VOLUMEN TRATADO VSEP, m3	VOL TOTAL TRATADO: OSMOSIS + VSEP m3	VOLUMEN INGRESA POR AGUA LLUVIA (3)	VOLUMEN SALIDA POR ASPERSION Y EVAPORACION EN PISCINAS (2)	VOLUMEN DE SALIDA POR ASPERSION EN CUBETOS (1)
1-nov-14	95,735.90	688.56	0.00	15.45	189.91	205.36	0.00	127.79	59.73
2-nov-14	96,031.58	691.81	0.00	0.00	240.51	240.51	0.00	127.79	48.00
3-nov-14	96,307.09	633.27	0.00	0.46	182.91	183.37	1.29	127.79	53.07
4-nov-14	96,577.42	593.48	0.00	21.28	13.83	35.11	47.54	127.79	42.13
5-nov-14	97,013.41	618.36	0.00	11.78	178.92	190.70	33.77	127.79	52.80
6-nov-14	97,294.26	563.63	0.00	0.00	175.31	175.31	0.00	127.79	53.33
7-nov-14	97,501.46	717.58	0.00	0.00	171.95	171.95	0.00	127.79	53.07
8-nov-14	97,866.23	768.46	0.00	0.00	52.03	52.03	85.83	127.79	52.77
9-nov-14	98,487.93	852.09	0.00	0.00	319.63	319.63	21.30	127.79	0.00
10-nov-14	98,913.90	876.88	0.00	0.00	5.13	5.13	8.60	127.79	0.00
11-nov-14	99,666.46	758.38	0.00	0.00	172.06	172.06	21.51	127.79	81.00
12-nov-14	100,065.51	1050.51	0.00	0.00	209.98	209.98	14.41	127.79	0.00
13-nov-14	100,792.66	800.40	0.00	0.00	313.88	313.88	4.73	255.00	0.00
14-nov-14	101,028.91	875.04	0.00	0.00	175.30	175.30	0.00	255.00	0.00
15-nov-14	101,473.65	841.41	0.00	0.00	175.10	175.10	0.00	255.00	0.00
16-nov-14	101,884.96	831.88	0.00	0.00	89.39	89.39	0.00	255.00	24.80
17-nov-14	102,347.65	837.77	0.00	0.00	48.18	48.18	0.00	255.00	44.48
18-nov-14	102,837.76	770.02	0.00	0.00	143.77	143.77	1.29	255.00	32.27
19-nov-14	103,178.03	747.87	0.00	0.00	173.61	173.61	2.37	255.00	37.60
20-nov-14	103,462.06	755.54	0.00	0.00	134.34	134.34	0.00	255.00	18.93
21-nov-14	103,809.33	776.46	0.00	0.00	218.77	218.77	0.00	255.00	22.40
22-nov-14	104,089.62	763.13	0.00	0.00	170.39	170.39	0.00	255.00	32.00
23-nov-14	104,395.36	668.57	0.00	0.00	174.12	174.12	0.00	255.00	38.40
24-nov-14	104,596.41	664.39	0.00	0.00	168.42	168.42	0.00	255.00	19.20
25-nov-14	104,818.18	623.21	0.00	0.00	186.64	186.64	0.00	255.00	8.00
26-nov-14	104,991.75	667.10	0.00	0.00	199.27	199.27	1.08	255.00	0.00
27-nov-14	105,205.65	821.23	0.00	0.00	161.78	161.78	6.67	255.00	0.00
28-nov-14	105,616.77	704.81	0.00	0.00	120.68	120.68	0.00	255.00	0.00
29-nov-14	105,945.90	687.83	0.00	0.00	0.00	0.00	0.00	255.00	0.00
30-nov-14	106,378.73	426.35	0.00	0.00	77.11	77.11	0.00	255.00	0.00
<b>TOTAL</b>		22,076.02	0.00	48.97	4,642.92	4,691.89	250.39	6,123.47	773.98
<b>PROMEDIO</b>	101,277.15	735.87	0.00	1.63	154.76	156.40	8.35	204.12	25.80

(1) VOLUMEN DE LIXIVIADO DEL SISTEMA DE ASPERSION EN LOS CUBETOS DE DISPOSICION. VOLUMEN TOMANDO EN CUANTA HORAS DE BOMBEO

(2) VALOR TEORICO TOMANDO EN CUENTA ALTITUD, PLUVIOSIDAD, RADIACION SOLAR DEL RSQ

(3) VALOR DE PLUVIOSIDAD TOMADO DEL PLUVIOMETRO DE EMMAPS INSTALADO EN EL RSQ

Ing. John Bonifaz Toapanta  
COORDINADOR TÉCNICO DE RESIDUOS ORDINARIOS