



REGION 4

RESULT OF ANALYSIS

1	Name of WD	San Pedro
2	Date of Analysis	May 2003
3	Area number	3 - Region 4
4	Province	San Pedro, Laguna

1	Name of source	Adelina Subd. PS	
2	Location	14° 8' 21"	Adelina Subd., Brgy. San Antonio
		121° 20' 11"	San Pedro, Laguna
3	Depth Borehole; meter	120	
4	Discharge Flowrate; liters/sec	10	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.37	
2	Temperature	°C		28.2*		27	Calcium	mg/L		16.35	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		5.74	
4	Color	Units	5	<5		29	Silica	mg/L		127.98	
5	Turbidity	NTU	5	0.85*		30	Total Iron	mg/L	1	0.11	0.001
6	Conductivity	µS/cm		511		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	195 ⁺		32	Aluminum	mg/L	0.2	0.15	0.01
8	Total Solids	mg/L		358 ⁺		33	Zinc	mg/L	5 [@]	0.23	0.002
9	Chloride	mg/L	250	19		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		0		35	Arsenic	mg/L	0.01	0.01	0.01
11	Acidity	mg/L		105		36	Chromium	mg/L	0.05	0.01	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	64		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	18		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		1.33	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.61		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.96*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		3.8		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.3	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	2.98			II			<MDL	0.02

Note: @ Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Puerto Princesa
2	Date of Analysis	August 2003
3	Area number	3 - Region 4
4	Province	Palawan

1	Name of source	Alvarez Pumping Station
2	Location	9° 44' 24.6"
		118° 44' 46.8"
3	Depth Borehole; meter	ND
4	Discharge Flowrate; liters/sec	12
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3.36	
2	Temperature	°C		29.2*		27	Calcium	mg/L		91.51	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		2<57	
4	Color	Units	5	<5		29	Silica	mg/L		42	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.18	0.001
6	Conductivity	μ S/cm		808		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	474		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		516		33	Zinc	mg/L	5 [@]	0.1	0.002
9	Chloride	mg/L	250	70		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		266		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		49		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	331		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0.83		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	3.74 ¹	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.12		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	0.003	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.33 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		12.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		1.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.11	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	21.76			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Naujan
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Oriental Mindoro

1	Name of source	Amoguis Pumping Station
2	Location	13° 16' 37.4"
		121° 15' 13.1"
3	Depth Borehole; meter	120
4	Discharge Flowrate; liters/sec	25
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		2.39	
2	Temperature	°C		27.6*		27	Calcium	mg/L		6.1	
3	pH		6.5-8.5	8.9*		28	Magnesium	mg/L		8.44	
4	Color	Units	5	5		29	Silica	mg/L		14	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.34	0.001
6	Conductivity	μ S/cm		262		31	Total Manganese	mg/L	0.5	0.03	0.006
7	Total Dissolved Solids	mg/L	500	130		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		133		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	<MDL		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		92		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	50		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.03 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.23		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.02 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		49.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.19	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	13.52			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Morong
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Balante Pump Station
2	Location	14° 31' 7.9"
		121° 13' 41.5"
3	Depth Borehole; meter	T. Claudio St. Paglabas, San P Morong, Rizal
4	Discharge Flowrate; liters/sec	240
5	Date of Well Operation	25
6	Disinfection Unit	No data
		Gas Chlorinator Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.97	
2	Temperature	°C		30.7*		27	Calcium	mg/L		50.75	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		19.64	
4	Color	Units	5	<5		29	Silica	mg/L		68.02	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0	0.001
6	Conductivity	µS/cm		494		31	Total Manganese	mg/L	0.5	0.1	0.006
7	Total Dissolved Solids	mg/L	500	275		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		300		33	Zinc	mg/L	5 [@]	0.16	0.002
9	Chloride	mg/L	250	10		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		32		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		68		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	208		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.42	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.35 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.23		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		12.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		6.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	32.74			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Batangas City
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas City

1	Name of source	Well #1 Alangilan Pumping Center
2	Location	13° 47' 22.8"
		121° 3' 52.1"
3	Depth Borehole; meter	184
4	Discharge Flowrate; liters/sec	21
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		7.42	
2	Temperature	°C		28.7*		27	Calcium	mg/L		42.27	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		8.51	
4	Color	Units	5	<5		29	Silica	mg/L		67	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		470		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	288		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		294		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		222		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		16		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	141		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	11		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	8.70 ¹	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.29		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	9.30	.		II			<MDL	0.02

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Siniloan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Buhay Well
2	Location	14° 25' 55.4"
		121° 26' 48.3"
3	Depth Borehole; meter	82
4	Discharge Flowrate; liters/sec	30
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		9.74	
2	Temperature	°C		29.2*		27	Calcium	mg/L		40.86	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		8.22	
4	Color	Units	5	<5		29	Silica	mg/L		98	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		299		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	186 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		202		33	Zinc	mg/L	5 [@]	0.25	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		15		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		14		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	136		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.17		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.9		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.19	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	9.32			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Carmona
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source		Cabilang Baybay PS
2	Location	14° 19' 9.3"	Brgy. Cabilang Baybay Carmona, Cavite
		121° 2' 58.5"	
3	Depth Borehole; meter		122
4	Discharge Flowrate; liters/sec		13
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		7.98	
2	Temperature	°C		27.9*		27	Calcium	mg/L		36.74	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		8.25	
4	Color	Units	5	<5		29	Silica	mg/L		105	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		442		31	Total Manganese	mg/L	0.5	0.1	0.006
7	Total Dissolved Solids	mg/L	500	302		32	Aluminum	mg/L	0.2	0	0.01
8	Total Solids	mg/L		316		33	Zinc	mg/L	5 [@]	0.03	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		190		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		28		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	126		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.3		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		37.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.1	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	13.46			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Morong
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Calero Pump Station	
2	Location	14° 31' 49.5"	T. Claudio St. Paglabas
		121° 14' 49.5"	San Pedro, Morong, Rizal
3	Depth Borehole; meter	127	
4	Discharge Flowrate; liters/sec	20	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.98	
2	Temperature	°C		28.7*		27	Calcium	mg/L		18.36	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		5.84	
4	Color	Units	5	<5		29	Silica	mg/L		79	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		264		31	Total Manganese	mg/L	0.5	0.03	0.006
7	Total Dissolved Solids	mg/L	500	133 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		202		33	Zinc	mg/L	5 [@]	0.12	0.002
9	Chloride	mg/L	250	3.69		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		16		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		18		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	69.89		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.56	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.11		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		54.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	7.04			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	San Pedro
2	Date of Analysis	May 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Camella Homes Subd. PS
2	Location	14° 8' 14"
		121° 21' 41"
3	Depth Borehole; meter	110
4	Discharge Flowrate; liters/sec	12
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		4.68	
2	Temperature	°C		29.5*		27	Calcium	mg/L		53.59	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		10.6	
4	Color	Units	5	<5		29	Silica	mg/L		134.88	
5	Turbidity	NTU	5	4.38*		30	Total Iron	mg/L	1	0.41	0.001
6	Conductivity	µS/cm		986		31	Total Manganese	mg/L	0.5	3.09	0.006
7	Total Dissolved Solids	mg/L	500	667		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		744		33	Zinc	mg/L	5 [@]	0.02	0.002
9	Chloride	mg/L	250	52		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		0		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		58		36	Chromium	mg/L	0.05	0.006	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	177		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	39		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.68	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.01 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.49		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.24*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		23.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.47	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	4.6			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	San Pablo
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	San Pablo City

1	Name of source	Central Production Well
2	Location	14° 4' 31"
		121° 19' 19.5"
3	Depth Borehole; meter	150
4	Discharge Flowrate; liters/sec	19
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		8.06	
2	Temperature	°C		27.8*		27	Calcium	mg/L		50.78	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		12.84	
4	Color	Units	5	<5		29	Silica	mg/L		77	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		508		31	Total Manganese	mg/L	0.5	0.22	0.006
7	Total Dissolved Solids	mg/L	500	296 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		338 ⁺		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		188		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		16		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	180		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	12		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.83 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		1.73	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.45		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.54 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		8.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.12	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	12.9			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Carmona
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	City Land Pump Station	
2	Location	14° 18' 34.5"	Sugar Rd. City Land Subd.
		121° 2' 20"	Brgy. Mabuhay, Carmona, Cavite
3	Depth Borehole; meter	120	
4	Discharge Flowrate; liters/sec	13	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		9.76	
2	Temperature	°C		28.3*		27	Calcium	mg/L		36.74	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		4.26	
4	Color	Units	5	<5		29	Silica	mg/L		102	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		427		31	Total Manganese	mg/L	0.5	0.05	0.006
7	Total Dissolved Solids	mg/L	500	332		32	Aluminum	mg/L	0.2	0	0.01
8	Total Solids	mg/L		345		33	Zinc	mg/L	5 [®]	0.02	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		182		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		20		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	109		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.29		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		23.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.08	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	13.42			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Dasmariñas
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	City Land Pump Station
2	Location	14° 19' 50.1"
		120° 51.8'
3	Depth Borehole; meter	152
4	Discharge Flowrate; liters/sec	16
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		<MDL	
2	Temperature	°C		15		27	Calcium	mg/L		<MDL	
3	pH		6.5-8.5	6.87		28	Magnesium	mg/L		16.00	
4	Color	Units	5	2		29	Silica	mg/L		84	
5	Turbidity	NTU	5	0.14		30	Total Iron	mg/L	1	0.25	0.001
6	Conductivity	µS/cm		-		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	255		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		299		33	Zinc	mg/L	5 [®]	<MDL	0.002
9	Chloride	mg/L	250	74		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		45		35	Arsenic	mg/L	0.01	1.7	0.01
11	Acidity	mg/L		39		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	66		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	3.6		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		13	0.1	39	Lead	mg/L	0.01	0.67	0.005
15	Nitrite	mg/L	3	0.37 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	1.65	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		ND	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.05		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		<MDL		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		50.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<MDL		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	12.00			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Nasugbu
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	Cogonan Well #1	
2	Location	14° 3' 52.4"	Nasugbu WD, Sitio Bangkal
		120° 39' 26.2"	Brgy. Cogonan, Nasugbu, Batangas
3	Depth Borehole; meter	52	
4	Discharge Flowrate; liters/sec	19	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	0*		26	Potassium	mg/L		21.24	
2	Temperature	°C		29.6*		27	Calcium	mg/L		43.68	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		12.30	
4	Color	Units	5	5		29	Silica	mg/L		83	
5	Turbidity	NTU	5	5		30	Total Iron	mg/L	1	0.78	0.001
6	Conductivity	µS/cm		525		31	Total Manganese	mg/L	0.5	0.92	0.006
7	Total Dissolved Solids	mg/L	500	354		32	Aluminum	mg/L	0.2	0	0.01
8	Total Solids	mg/L		384		33	Zinc	mg/L	5 [®]	0.02	0.002
9	Chloride	mg/L	250	22		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		223		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		24		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	160		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.4		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.24 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.14	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	19.34			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Nasugbu
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	Cogonan Well #2
2	Location	14° 3' 48.7"
		120° 39' 19.6"
		Nasugbu WD, Sitio Bangkal Brgy. Cogonan, Nasugbu, Batangas
3	Depth Borehole; meter	52
4	Discharge Flowrate; liters/sec	44.1
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		13.27	
2	Temperature	°C		29.6*		27	Calcium	mg/L		42.59	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		3.58	
4	Color	Units	5	<5		29	Silica	mg/L		85	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		548		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	314		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		344		33	Zinc	mg/L	5 [®]	<MDL	0.002
9	Chloride	mg/L	250	29		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		212		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		36		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	121		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	10		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.33		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.47 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		12.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	19.34			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Siniloan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Dela Rosa Well	
2	Location	14° 25' 52"	Siniloan WD, Bibiana Bldg.
		121° 27' 17.8"	E. Castro St. Siniloan, Laguna
3	Depth Borehole; meter	109	
4	Discharge Flowrate; liters/sec	14	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		17.27	
2	Temperature	°C		27.8*		27	Calcium	mg/L		27.29	
3	pH		6.5-8.5	8.2*		28	Magnesium	mg/L		5.78	
4	Color	Units	5	<5		29	Silica	mg/L		53	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		284		31	Total Manganese	mg/L	0.5	0.25	0.006
7	Total Dissolved Solids	mg/L	500	180		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		236 ⁺		33	Zinc	mg/L	5 [@]	0.16	0.002
9	Chloride	mg/L	250	11		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		18		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		-		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	92		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	2		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.12		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.42 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		19.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	11.91			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Taysan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Pob. East, Taysan, Batangas

1	Name of source	Ilaya Pumping Station
2	Location	13° 47' 58"
		121° 11' 16.4"
3	Depth Borehole; meter	75
4	Discharge Flowrate; liters/sec	3.6
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		5.07	
2	Temperature	°C		30.2*		27	Calcium	mg/L		39.96	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		6.13	
4	Color	Units	5	<5		29	Silica	mg/L		86	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		490		31	Total Manganese	mg/L	0.5	0.11	0.006
7	Total Dissolved Solids	mg/L	500	326		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		361		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	8		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		191		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		30		36	Chromium	mg/L	0.05	0.004	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	125		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	3		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		6	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	4.35 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.58		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.58 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		48.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	18.27			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Infanta
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Quezon

1	Name of source	Pumping Station #3	
2	Location	14° 45' 11"	Cor. Niebres Rizal St. Poblacion Uno Brgy Ilog, Infanta, Quezon
		121° 38' 6.8"	
3	Depth Borehole; meter	50	
4	Discharge Flowrate; liters/sec	31.5	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		13.12	
2	Temperature	°C		27.3*		27	Calcium	mg/L		8.98	
3	pH		6.5-8.5	8.7*		28	Magnesium	mg/L		5.4	
4	Color	Units	5	<5		29	Silica	mg/L		53	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		594		31	Total Manganese	mg/L	0.5	0.07	0.006
7	Total Dissolved Solids	mg/L	500	365		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		432		33	Zinc	mg/L	5 [®]	0.02	0.002
9	Chloride	mg/L	250	128		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		44		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	45		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	4		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.50 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.11		43	DDT	µg/L	2	0.01	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.09 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		35.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	26.85			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Batangas City
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas City

1	Name of source	Soro-soro, Karsada PS	
2	Location	13° 48' 58.5"	Batangas City WD, Km. 4
		121° 4' 25.8"	Brgy. Soro-soro, Batangas City
3	Depth Borehole; meter	142	
4	Discharge Flowrate; liters/sec	30	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.89	
2	Temperature	°C		27.9*		27	Calcium	mg/L		49.76	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		7.53	
4	Color	Units	5	<5		29	Silica	mg/L		94	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		429		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	236		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		277		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		194		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		16		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	155		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	21.74 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.29		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.11	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	9.74			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tagaytay City
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Tagaytay City

1	Name of source	Kaybagal Pump Station #9	
2	Location	14° 7' 22"	Aguinaldo Highway, Maharlika
		120° 56' 1.7"	Tagaytay City
3	Depth Borehole; meter	213	
4	Discharge Flowrate; liters/sec	13	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.95	
2	Temperature	°C		25.9*		27	Calcium	mg/L		20.12	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		5.01	
4	Color	Units	5	<5		29	Silica	mg/L		82	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		280		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	205		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		227		33	Zinc	mg/L	5 [@]	0.05	0.002
9	Chloride	mg/L	250	6		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		82		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		13		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	71		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0.41		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	21.74 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		0	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.35		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	6.52			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Los Baños
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Lamot #2	
2	Location	14° 9' 52.2"	Laguna WD, Brgy. Años
		121° 19' 51.9"	Los Baños, Laguna
3	Depth Borehole; meter	47	
4	Discharge Flowrate; liters/sec	9.45	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.84	
2	Temperature	°C		27.7*		27	Calcium	mg/L		20.91	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		5.16	
4	Color	Units	5	<5		29	Silica	mg/L		95.02	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		256		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	212		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		282		33	Zinc	mg/L	5 [®]	<MDL	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		14		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		12		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	73.46		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.14	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.19		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		34.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	7.02			II			<MDL	0.02

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Gen. E. Aguinaldo
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	Brgy. Castanos Lejos Water System	
2	Location	14° 9' 18.1"	Trece Marterez St., Poblacion 2 Gen. E. Aguinaldo, Cavite
		120° 49' 45.6"	
3	Depth Borehole; meter	120	
4	Discharge Flowrate; liters/sec	12	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.12	
2	Temperature	°C		26.9*		27	Calcium	mg/L		18.92	
3	pH		6.5-8.5	6.9*		28	Magnesium	mg/L		5.54	
4	Color	Units	5	<5		29	Silica	mg/L		77	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µ S/cm		295		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	250		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		256		33	Zinc	mg/L	5 [@]	0.16	0.002
9	Chloride	mg/L	250	5		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		108		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		18		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	70		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	9		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	1.35 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.22		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		1.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.17	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	6.86			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Lemery
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	P.S #2 Cahilan Brgy. Cahilan	
2	Location	13° 55' 24.4"	Lemery WD, Carnero Subd.
		120° 53' 51.4"	Brgy. Kahilan, Lemery, Batangas
3	Depth Borehole; meter	150	
4	Discharge Flowrate; liters/sec	40	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		20.21	
2	Temperature	°C		29.5*		27	Calcium	mg/L		59.46	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		8.51	
4	Color	Units	5	<5		29	Silica	mg/L		90	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		877		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	528 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		558 ⁺		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	27		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		336		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		18		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	184		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	89		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	8.70 ¹	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.74		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	29.34			II			<MDL	0.02

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Lemery
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	P.S #7	
2	Location	13° 56' 49.4"	Lemery WD, Camero Subd.
		120° 52' 52.7"	Brgy. Sanggalang, Lemery, Batangas
3	Depth Borehole; meter	137	
4	Discharge Flowrate; liters/sec	1.45	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		19.98	
2	Temperature	°C		28.9*		27	Calcium	mg/L		84.66	
3	pH		6.5-8.5	6.6*		28	Magnesium	mg/L		11.70	
4	Color	Units	5	<5		29	Silica	mg/L		107	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		834		31	Total Manganese	mg/L	0.5	0.28	0.006
7	Total Dissolved Solids	mg/L	500	486		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		551		33	Zinc	mg/L	5 [@]	0.04	0.002
9	Chloride	mg/L	250	12		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		377		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		66		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	260		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	43		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.42	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.71		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	15.70			II			<MDL	0.02

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- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Lobo
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	Pump Station #1
2	Location	13° 38' 49.6"
		121° 12' 15.2"
		Lobo WD, A. Mabini St. Poblacion, Lobo, Batangas
3	Depth Borehole; meter	60
4	Discharge Flowrate; liters/sec	11
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.56	
2	Temperature	°C		27.8*		27	Calcium	mg/L		128.48	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		14.69	
4	Color	Units	5	<5		29	Silica	mg/L		46	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		724		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	447		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		492		33	Zinc	mg/L	5 [®]	0.03	0.002
9	Chloride	mg/L	250	12		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		294		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		34		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	381		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	31		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.28		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		6.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		56.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	7.09		II				<MDL	0.02

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³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Lobo
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	Pump Station #2
2	Location	13° 39' 30.6"
		121° 12' 38.2"
3	Depth Borehole; meter	63
4	Discharge Flowrate; liters/sec	12
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.6	
2	Temperature	°C		29.2*		27	Calcium	mg/L		131.37	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		6.07	
4	Color	Units	5	<5		29	Silica	mg/L		58	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		915		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	485 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		510		33	Zinc	mg/L	5 [@]	0.04	0.002
9	Chloride	mg/L	250	35		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		332		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		40		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	353		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	43		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.48		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		6.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		52.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	1.73			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Los Baños
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Lopez Heights	
2	Location	14° 10' 27.2"	Brgy. Años, Los Baños, Lagun
		121o 13' 40"	
3	Depth Borehole; meter	100	
4	Discharge Flowrate; liters/sec	31.5	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.99	
2	Temperature	°C		29.6*		27	Calcium	mg/L		30.78	
3	pH		6.5-8.5	6.6*		28	Magnesium	mg/L		<56	
4	Color	Units	5	<5		29	Silica	mg/L		94.29	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		365		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	182		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		279		33	Zinc	mg/L	5 [®]	0.08	0.002
9	Chloride	mg/L	250	25		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		18		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		17		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	97.28		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	6		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4.1	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.22		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		45.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	7.62			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Sta. Cruz
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Mabini Pumping Station	
2	Location	14° 16' 59.9"	Sta. Cruz WD, A. Mabini St.
		121° 24' 56"	Sta. Cruz, Laguna
3	Depth Borehole; meter	80	
4	Discharge Flowrate; liters/sec	15.6	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	0*		26	Potassium	mg/L		5.49	
2	Temperature	°C		30.2*		27	Calcium	mg/L		13	
3	pH		6.5-8.5	8.5*		28	Magnesium	mg/L		7.46	
4	Color	Units	5	5		29	Silica	mg/L		74	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		393		31	Total Manganese	mg/L	0.5	0.08	0.006
7	Total Dissolved Solids	mg/L	500	225		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		259		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	8		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		152		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	63		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	9		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		6	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	1.17 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	4.35 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		4	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.35		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.03	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		40.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		12.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.14	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	43.66						<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Taysan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Batangas

1	Name of source	Mataas na Lupa Pumping Stati
2	Location	13° 46' 30"
		121° 12' 1.7"
3	Depth Borehole; meter	86
4	Discharge Flowrate; liters/sec	41
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.5	
2	Temperature	°C		30.9*		27	Calcium	mg/L		63.94	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		13.70	
4	Color	Units	5	<5		29	Silica	mg/L		81	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		548		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	282		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		334		33	Zinc	mg/L	5 [@]	0.42	0.002
9	Chloride	mg/L	250	18		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		210		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		26		36	Chromium	mg/L	0.05	0.01	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	216		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	8		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	13 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.49		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.47	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		48.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	14.20			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Pinamalayan
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Oriental Mindoro

1	Name of source	Nabuslot Pumping Station
2	Location	13° 3' 10.6"
		121° 26' 35.1"
3	Depth Borehole; meter	No data
4	Discharge Flowrate; liters/sec	No data
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		10.62	
2	Temperature	°C		28.6*		27	Calcium	mg/L		51.79	
3	pH		6.5-8.5	8.2*		28	Magnesium	mg/L		15.08	
4	Color	Units	5	<5		29	Silica	mg/L		56	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		564		31	Total Manganese	mg/L	0.5	0.22	0.006
7	Total Dissolved Solids	mg/L	500	279		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		282		33	Zinc	mg/L	5 ^②	0.02	0.002
9	Chloride	mg/L	250	10		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		206		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		26		36	Chromium	mg/L	0.05	0.02	0.003
12	Hardness (as CaCO ₃)	mg/L	300 ^③	191		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	<MDL		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		0.42	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.13		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		60.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		6.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 ^④	7.58			II			<MDL	0.02

Note: ^④ Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Puerto Princesa
2	Date of Analysis	August 2002
3	Area number	3 - Region 4
4	Province	

1	Name of source	NHA Ville Pumping Station	
2	Location	No Data	Puerto Princesa WD, Bgy. San
		No Data	
3	Depth Borehole; meter	No data	
4	Discharge Flowrate; liters/sec	No data	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		0.4	
2	Temperature	°C		29.7*		27	Calcium	mg/L		20.27	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		35.96	
4	Color	Units	5	<5		29	Silica	mg/L		90	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		511		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	350		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		362		33	Zinc	mg/L	5 [@]	0.08	0.002
9	Chloride	mg/L	250	10		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		252		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		2		36	Chromium	mg/L	0.05	0.01	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	199		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	4.35 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.18		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	10.06			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Pagsanjan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Pumping Station #1
2	Location	14° 16' 32.4"
		121° 27' 1.6"
		#52 J.P. Rizal St. Pagsanjan Laguna
3	Depth Borehole; meter	120
4	Discharge Flowrate; liters/sec	10
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		16.21	
2	Temperature	°C		32*		27	Calcium	mg/L		18.64	
3	pH		6.5-8.5	8.5*		28	Magnesium	mg/L		2.42	
4	Color	Units	5	<5		29	Silica	mg/L		84	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		950		31	Total Manganese	mg/L	0.5	0.04	0.006
7	Total Dissolved Solids	mg/L	500	567		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		631		33	Zinc	mg/L	5 [®]	0.20	0.002
9	Chloride	mg/L	250	102		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		120		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	56		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	34		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	1.1 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.26 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.26		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.17 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	42.46			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Pagsanjan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Pumping Station #4
2	Location	14° 16' 36.3"
		121° 27' 14"
3	Depth Borehole; meter	77
4	Discharge Flowrate; liters/sec	25
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.82	
2	Temperature	°C		33.6*		27	Calcium	mg/L		14.58	
3	pH		6.5-8.5	8.5*		28	Magnesium	mg/L		5.34	
4	Color	Units	5	<5		29	Silica	mg/L		97	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		369		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	205		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		254		33	Zinc	mg/L	5 [@]	0.18	0.002
9	Chloride	mg/L	250	21		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		73		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	58		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.60		43	DDT	µg/L	2	0.01	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	16.64			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Sta. Cruz
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Pagsawitan Pumping Station STN #6	
2	Location	14° 16' 14.8"	Sta. Cruz WD, Brgy. Pagsawitan
		121° 25' 19.1"	A. Mabini St., Sta. Cruz, Laguna
3	Depth Borehole; meter	90	
4	Discharge Flowrate; liters/sec	23.51	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.94	
2	Temperature	°C		28.7*		27	Calcium	mg/L		13.45	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		7.63	
4	Color	Units	5	<5		29	Silica	mg/L		77	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		337		31	Total Manganese	mg/L	0.5	0.08	0.006
7	Total Dissolved Solids	mg/L	500	232		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		242		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	10		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		112		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		10		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	65		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	9		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		6	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	3.33 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	3.74 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.28		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		24.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		7.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.07	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	25.84			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Pillia
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Pumping Station #1	
2	Location	14° 28' 53.6"	Nat'l Road, Brgy. Wawa Pillia, Rizal
		121° 18' 16.2"	
3	Depth Borehole; meter	91	
4	Discharge Flowrate; liters/sec	ND	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		16.65	
2	Temperature	°C		32.2*		27	Calcium	mg/L		32.84	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		12.43	
4	Color	Units	5	<5		29	Silica	mg/L		105	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0	0.001
6	Conductivity	µS/cm		460		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	222 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		336		33	Zinc	mg/L	5 [@]	0.15	0.002
9	Chloride	mg/L	250	27		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		22		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		18		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	133		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.19		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	0.01	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		27.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.22	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	10.7			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Pitilia
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Pumping Station #3
2	Location	14° 28' 43"
		121° 18' 44.7"
3	Depth Borehole; meter	76
4	Discharge Flowrate; liters/sec	30
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.05	
2	Temperature	°C		28.8*		27	Calcium	mg/L		38.1	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		9.98	
4	Color	Units	5	<5		29	Silica	mg/L		56	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.36	0.001
6	Conductivity	µS/cm		321		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	294		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		242		33	Zinc	mg/L	5 [®]	0.17	0.002
9	Chloride	mg/L	250	5		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		20		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		22		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	136		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.8	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.30 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.17		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.4		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		23.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		7.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.13	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	7.25			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Macalelon
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Quezon

1	Name of source	Pinagbayanan Well	
2	Location	13° 44' 59.7"	Brgy. Pinagbayanan, Mun. Hall
		122° 8' 16"	Town Proper Macalelon, Quezon
3	Depth Borehole; meter	No Data	
4	Discharge Flowrate; liters/sec	No Data	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3.25	
2	Temperature	°C		28.4*		27	Calcium	mg/L		143.18	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		9.68	
4	Color	Units	5	<5		29	Silica	mg/L		33	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		732		31	Total Manganese	mg/L	0.5	0.18	0.006
7	Total Dissolved Solids	mg/L	500	320		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		408		33	Zinc	mg/L	5 [®]	<MDL	0.002
9	Chloride	mg/L	250	30		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		266		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		44		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	397		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.01 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.21		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.72	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.05	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	15.48			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Gen. E. Aguinaldo
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	Brgy. Poblacion 3
2	Location	14° 11' 9.7"
		120° 47' 33.6"
3	Depth Borehole; meter	115
4	Discharge Flowrate; liters/sec	10
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.02	
2	Temperature	°C		27.7*		27	Calcium	mg/L		20.96	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		5.36	
4	Color	Units	5	<5		29	Silica	mg/L		89	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		384		31	Total Manganese	mg/L	0.5	0.20	0.006
7	Total Dissolved Solids	mg/L	500	269		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		292		33	Zinc	mg/L	5 [@]	4.10	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		142		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		29		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	74.41		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	9		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	1.04 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.69		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.13	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	13.66			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Naujan
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Oriental Mindoro

1	Name of source	Poblacion Pumping Station	
2	Location	13° 19' 16"	Naujan WD, Brgy. Santiago
		121° 17' 58.7"	Naujan, Oriental Mindoro
3	Depth Borehole; meter	No data	
4	Discharge Flowrate; liters/sec	No data	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		22.99	
2	Temperature	°C		36.6*		27	Calcium	mg/L		5.29	
3	pH		6.5-8.5	8.4*		28	Magnesium	mg/L		2.58	
4	Color	Units	5	<5		29	Silica	mg/L		74	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		1,317		31	Total Manganese	mg/L	0.5	0.03	0.006
7	Total Dissolved Solids	mg/L	500	737		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		750		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	284		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		140		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	24		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.03 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.34		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		33.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.09	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	67.52			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Roxas (Or. Mindoro)
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Oriental Mindoro

1	Name of source	PS #1 Market Well	
2	Location	12° 35' 17.3"	Brgy. Bagong Bayan, Roxas
		121° 31' 3.6"	Oriental Mindoro
3	Depth Borehole; meter	250	
4	Discharge Flowrate; liters/sec	No Data	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		18.6	
2	Temperature	°C		26.9*		27	Calcium	mg/L		26.22	
3	pH		6.5-8.5	8.6*		28	Magnesium	mg/L		9.83	
4	Color	Units	5	<5		29	Silica	mg/L		31	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		266		31	Total Manganese	mg/L	0.5	0.03	0.006
7	Total Dissolved Solids	mg/L	500	114		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		138		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	3		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		104		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	106		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	15		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.03 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.23		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		44.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<5		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.05	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	3.36			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	San Jose Occ. Mindoro
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Occ. Mindoro

1	Name of source	Pumping Station #1	
2	Location	12° 21' 18.3"	Municipal Compound, San Jos Occ. Mindoro
		121° 4' 0.4"	
3	Depth Borehole; meter	20	
4	Discharge Flowrate; liters/sec	15	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		10.77	
2	Temperature	°C		31.1*		27	Calcium	mg/L		87.79	
3	pH		6.5-8.5	8*		28	Magnesium	mg/L		11.54	
4	Color	Units	5	<5		29	Silica	mg/L		23	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		994 ²		31	Total Manganese	mg/L	0.5	0.03	0.006
7	Total Dissolved Solids	mg/L	500	636		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		744		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	237		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		184		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		-		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	267		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	32		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.3 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	8.70 ¹	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.17		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		32.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.19	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	11.11			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Metro Lipa
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Lipa City

1	Name of source	Pump Station #184
2	Location	13° 55' 39.8"
		121° 5' 40.4"
3	Depth Borehole; meter	228
4	Discharge Flowrate; liters/sec	6
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3.96	
2	Temperature	°C		26.3*		27	Calcium	mg/L		17.36	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		3.55	
4	Color	Units	5	12		29	Silica	mg/L		96	
5	Turbidity	NTU	5	15		30	Total Iron	mg/L	1	6.3	0.001
6	Conductivity	µS/cm		385		31	Total Manganese	mg/L	0.5	0.56	0.006
7	Total Dissolved Solids	mg/L	500	289		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		308		33	Zinc	mg/L	5 [@]	0.24	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		119		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		32		36	Chromium	mg/L	0.05	0.03	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	58		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	42		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	17.39 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.47		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.31 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		39.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		6.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	2.36			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Metro Lipa
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Lipa City

1	Name of source	Pump Station #195
2	Location	13° 58' 13.5"
		121° 9' 49.4"
3	Depth Borehole; meter	240
4	Discharge Flowrate; liters/sec	14
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.52	
2	Temperature	°C		26.5*		27	Calcium	mg/L		10.4	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		3.00	
4	Color	Units	5	<5		29	Silica	mg/L		93	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		322		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	256		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		295		33	Zinc	mg/L	5 [@]	0.08	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		118		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		19		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	38		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	18		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.4		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		44		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	2.64			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Roxas (Or. Mindoro)
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Oriental Mindoro

1	Name of source	PS #2 Municipal Well	
2	Location	12° 35' 31.5"	Roxas WD, Brgy. Bagong Bayan
		121° 30' 53.7"	Roxas, Oriental Mindoro
3	Depth Borehole; meter	260	
4	Discharge Flowrate; liters/sec	No Data	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		17.62	
2	Temperature	°C		26.5*		27	Calcium	mg/L		18.02	
3	pH		6.5-8.5	8.6*		28	Magnesium	mg/L		5.24	
4	Color	Units	5	<5		29	Silica	mg/L		36	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		272		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	148 ²		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		159		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		104		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		0 ³		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	67		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	4		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.03 [†]	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.26		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		42.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.1	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	0.52			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Roxas Palawan
2	Date of Analysis	August 2003
3	Area number	3 - Region 4
4	Province	Palawan

1	Name of source	Pumping Station #2
2	Location	10° 19' 32.8"
		119° 19' 15.4"
		Jacinto St., Brgy. II, Roxas Palawan
3	Depth Borehole; meter	No data
4	Discharge Flowrate; liters/sec	8
5	Date of Well Operation	No data
6	Disinfection Unit	No data
	Gas Chlorinator Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3	
2	Temperature	°C		27.9*		27	Calcium	mg/L		19.96	
3	pH		6.5-8.5	6.2*		28	Magnesium	mg/L		1.92	
4	Color	Units	5	29		29	Silica	mg/L		30	
5	Turbidity	NTU	5	8		30	Total Iron	mg/L	1	9.46	0.001
6	Conductivity	µS/cm		146		31	Total Manganese	mg/L	0.5	0.12	0.006
7	Total Dissolved Solids	mg/L	500	96		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		96		33	Zinc	mg/L	5 [@]	0.13	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		11		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		23		36	Chromium	mg/L	0.05	0.01	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	58		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	19		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.02 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.11		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	1.37 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		15.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	6.65			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Roxas Palawan
2	Date of Analysis	August 2003
3	Area number	3 - Region 4
4	Province	Palawan

1	Name of source	Pumping Station #3
2	Location	10° 20' 13.7"
		119° 21' 8.6"
3	Depth Borehole; meter	18
4	Discharge Flowrate; liters/sec	0.3
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		1.14	
2	Temperature	°C		30*		27	Calcium	mg/L		111.02	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		4.48	
4	Color	Units	5	<5		29	Silica	mg/L		56	
5	Turbidity	NTU	5	14.00		30	Total Iron	mg/L	1	2.8	0.001
6	Conductivity	µS/cm		971		31	Total Manganese	mg/L	0.5	1.74	0.006
7	Total Dissolved Solids	mg/L	500	521 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		570 ⁺		33	Zinc	mg/L	5 [@]	0.22	0.002
9	Chloride	mg/L	250	138		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		235		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		88		36	Chromium	mg/L	0.05	0.01	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	296		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	15		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.39 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.12		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.60	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	54.53			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	San Jose Occ. Mindoro
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Occ. Mindoro

1	Name of source	Pumping Station #4	
2	Location	12° 23' 6.2"	Bgy. Magbay, San Jose
		121° 5' 10.3"	Occ. Mindoro
3	Depth Borehole; meter	25	
4	Discharge Flowrate; liters/sec	12	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		19.66	
2	Temperature	°C		29.6*		27	Calcium	mg/L		155.44	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		4.74	
4	Color	Units	5	<5		29	Silica	mg/L		19	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	u S/cm		720		31	Total Manganese	mg/L	0.5	0.02	0.006
7	Total Dissolved Solids	mg/L	500	314		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		473		33	Zinc	mg/L	5 [®]	<MDL	0.002
9	Chloride	mg/L	250	23		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		248		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		25		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	408		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	31		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.03 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	2.44 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.18		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		34.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<5		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.12	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	37.54			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	GMA Cavite
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	Pump Station #5
2	Location	14° 19' 0.4"
		121° 01' 23.4"
3	Depth Borehole; meter	138
4	Discharge Flowrate; liters/sec	15
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.46	
2	Temperature	°C		28.3*		27	Calcium	mg/L		163.76	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		6.16	
4	Color	Units	5	<5		29	Silica	mg/L		101	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		414		31	Total Manganese	mg/L	0.5	0.29	0.006
7	Total Dissolved Solids	mg/L	500	296		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		310		33	Zinc	mg/L	5 [®]	0.02	0.002
9	Chloride	mg/L	250	3		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		180		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		19		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	434		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.32		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		35.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		9.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.14	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	9.35			II			<MDL	0.02

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	GMA Cavite
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	Pump Station #8
2	Location	14° 18' 29.7"
		121° 0' 28.7"
3	Depth Borehole; meter	240
4	Discharge Flowrate; liters/sec	68
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		7.12	
2	Temperature	°C		28.5*		27	Calcium	mg/L		25.64	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		3.94	
4	Color	Units	5	<5		29	Silica	mg/L		101	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		417		31	Total Manganese	mg/L	0.5	0.06	0.006
7	Total Dissolved Solids	mg/L	500	300		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		302		33	Zinc	mg/L	5 [@]	0.03	0.002
9	Chloride	mg/L	250	3		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		18		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		22		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	80		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.32		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.17 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		16.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	11.41			II			<MDL	0.02

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MDL Method Detection Limit

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¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tanay Rizal
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Rizal SPS 1 Pump Station	
2	Location	14° 32' 59.8"	41 F. T. Catapusan St.
		121° 21' 53.3"	Tanay, Rizal
3	Depth Borehole; meter	106	
4	Discharge Flowrate; liters/sec	11	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.44	
2	Temperature	°C		25.2*		27	Calcium	mg/L		12.34	
3	pH		6.5-8.5	6.6*		28	Magnesium	mg/L		2.54	
4	Color	Units	5	<5		29	Silica	mg/L		103	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.57	0.001
6	Conductivity	µS/cm		373 ²		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	239		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		246 ⁺		33	Zinc	mg/L	5 [@]	0.15	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		10		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		15		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	41		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.22 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.16		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		7.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.09	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	4.38			II			<MDL	0.02

Note: @ Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tanauan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Tanauan City

1	Name of source	Sambat Pumping Station
2	Location	14° 5' 19.9"
		121° 7' 35.9"
3	Depth Borehole; meter	155
4	Discharge Flowrate; liters/sec	27.91
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.24	
2	Temperature	°C		27.7*		27	Calcium	mg/L		16.4	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		3.71	
4	Color	Units	5	<5		29	Silica	mg/L		96	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		398		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	234 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		296		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	8		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		136		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		30		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	56		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	18		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	13 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.52		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		32.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	2.59			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	San Pablo
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	San Pablo City

1	Name of source	Sto. Angel Production Well
2	Location	14° 6' 32"
		121° 22' 6.4"
3	Depth Borehole; meter	150
4	Discharge Flowrate; liters/sec	19
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		10.87	
2	Temperature	°C		27*		27	Calcium	mg/L		47.69	
3	pH		6.5-8.5	7.7*		28	Magnesium	mg/L		13.71	
4	Color	Units	5	5		29	Silica	mg/L		77	
5	Turbidity	NTU	5	7.00		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	μ S/cm		470		31	Total Manganese	mg/L	0.5	0.76	0.006
7	Total Dissolved Solids	mg/L	500	240		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		306		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	5		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		190		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		9		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	176		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.02 ¹	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	μ g/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	μ g/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.46		43	DDT	μ g/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	μ g/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	μ g/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	μ g/L	2	<MDL	0.01
22	COD	mg/L		37.0		47	Methoxychlor	μ g/L	20	<MDL	0.02
23	BOD	mg/L		5.0		48	Toxaphene	μ g/L		<MDL	0.02
24	Surfactant	mg/L		0.06	0.05	49	Endosulfan I	μ g/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	8.4			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tanauan
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Tanauan City

1	Name of source	Well #2
2	Location	14° 5' 33.3"
		121° 8' 51.8"
3	Depth Borehole; meter	52
4	Discharge Flowrate; liters/sec	22
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.26	
2	Temperature	°C		28*		27	Calcium	mg/L		34.5	
3	pH		6.5-8.5	6.9*		28	Magnesium	mg/L		7.14	
4	Color	Units	5	<5		29	Silica	mg/L		97	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		388		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	331		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		451		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	11		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		113		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		45		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	116		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	22		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.46		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		40.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	5.82			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

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+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tanay Rizal
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Rizal

1	Name of source	Tanay Market Pump Station	
2	Location	14° 29' 38.2"	41 F. T. Catapusan St., Tanay
		121° 17' 12.7"	Rizal
3	Depth Borehole; meter	116	
4	Discharge Flowrate; liters/sec	21.23	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3.56	
2	Temperature	°C		29.1*		27	Calcium	mg/L		52.41	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		25.78	
4	Color	Units	5	5		29	Silica	mg/L		9.77	
5	Turbidity	NTU	5	16		30	Total Iron	mg/L	1	1.79	0.001
6	Conductivity	µS/cm		431		31	Total Manganese	mg/L	0.5	0.1	0.006
7	Total Dissolved Solids	mg/L	500	141 ⁺		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		244 ⁺		33	Zinc	mg/L	5 [@]	0.14	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		30		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		19		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	237		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.69	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.39	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.23		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.05	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		35.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		7.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.09	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	20.07			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Calamba
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Tulo Pumping Station
2	Location	14° 10' 0.8"
		121° 8' 18.7"
3	Depth Borehole; meter	383
4	Discharge Flowrate; liters/sec	7.6
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.78	
2	Temperature	°C		28*		27	Calcium	mg/L		51.06	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		5.38	
4	Color	Units	5	<5		29	Silica	mg/L		92.93	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		440		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	317		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		352		33	Zinc	mg/L	5 [@]	0.16	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		24		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		12		36	Chromium	mg/L	0.05	0.02	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	149.65		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	18		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.56	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		0.42	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.28		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	14.3			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Tagaytay City
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Tagaytay City

1	Name of source	TCH- 3 Pump Station
2	Location	14° 7' 7.2"
		120° 57' 3.4"
3	Depth Borehole; meter	182
4	Discharge Flowrate; liters/sec	16
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.86	
2	Temperature	°C		25.4*		27	Calcium	mg/L		19.4	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		4.61	
4	Color	Units	5	<5		29	Silica	mg/L		75	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		286		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	219		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		258		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		78		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		22		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	67		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	7		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	13 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		0	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.35		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		20.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.15	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	6.82			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Calamba
2	Date of Analysis	June 2003
3	Area number	3 - Region 4
4	Province	Laguna

1	Name of source	Villa Palao Banlic Pump Station
2	Location	14° 13' 59.1"
		121° 8' 49.5"
3	Depth Borehole; meter	183
4	Discharge Flowrate; liters/sec	11.34
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		8.64	
2	Temperature	°C		27.8*		27	Calcium	mg/L		52.69	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		7.29	
4	Color	Units	5	<5		29	Silica	mg/L		91.2	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.17	0.001
6	Conductivity	µS/cm		515		31	Total Manganese	mg/L	0.5	0.19	0.006
7	Total Dissolved Solids	mg/L	500	406		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		280		33	Zinc	mg/L	5 [®]	0.08	0.002
9	Chloride	mg/L	250	6		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		33		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		16		36	Chromium	mg/L	0.05	0.04	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [®]	161.34		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	6		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		3.14	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.30		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.16	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [®]	21.97			II			<MDL	0.02

Note: [®] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Quezon Metro
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Lucena City

1	Name of source	Well #2
2	Location	13° 57' 22.3"
		121° 35' 16.6"
3	Depth Borehole; meter	150
4	Discharge Flowrate; liters/sec	40
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.46	
2	Temperature	°C		25.9*		27	Calcium	mg/L		25.62	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		8.18	
4	Color	Units	5	<5		29	Silica	mg/L		102	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	µS/cm		264		31	Total Manganese	mg/L	0.5	0.27	0.006
7	Total Dissolved Solids	mg/L	500	213		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		273		33	Zinc	mg/L	5 [@]	0.03	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		93		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		28		36	Chromium	mg/L	0.05	0.03	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	98		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	20		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.27		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		7.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.06	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	5.36			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

* On Site Analysis (CEST Inc.)

U Unobjectionable Odor, O = Objectionable Odor

+ Re-examination result dated October 2003 (Intertek Laboratory)

MDL Method Detection Limit

As computed by Local Water Utilities Administration (LWUA).

¹ Estimation derived from gravimetric factor

² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Quezon Metro
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Lucena City

1	Name of source	Well #3
2	Location	13° 57' 38.7"
		121° 35' 28.1"
3	Depth Borehole; meter	No Data
4	Discharge Flowrate; liters/sec	No Data
5	Date of Well Operation	No data
6	Disinfection Unit	Gas Chlorinator
		Hypochlorinator
		No data

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.56	
2	Temperature	°C		26.4*		27	Calcium	mg/L		30.26	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		9	
4	Color	Units	5	<5		29	Silica	mg/L		100	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	u S/cm		327		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	226		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		244		33	Zinc	mg/L	5 [@]	<MDL	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		106		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		39		36	Chromium	mg/L	0.05	0.03	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	113		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	17		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		<MDL	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.17 ¹	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.09		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		6.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		<5		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		<1		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	7.7			II			<MDL	0.02

Note: [@] Secondary Standard; compliance with the standard and analysis are not obligatory

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MDL Method Detection Limit

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³ Acidity value qualified

- No basis for determination

RESULT OF ANALYSIS

1	Name of WD	Dasmariñas
2	Date of Analysis	July 2003
3	Area number	3 - Region 4
4	Province	Cavite

1	Name of source	Zone 2 Pumping Station	
2	Location	14° 19' 51.8"	(Pob.) Camerino Ave.
		120° 55' 49.2"	Dasmariñas, Cavite
3	Depth Borehole; meter	244	
4	Discharge Flowrate; liters/sec	24	
5	Date of Well Operation	No data	
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCENTRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		9.64	
2	Temperature	°C		28.9*		27	Calcium	mg/L		24.34	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		7.94	
4	Color	Units	5	<5		29	Silica	mg/L		82	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		457		31	Total Manganese	mg/L	0.5	0.06	0.006
7	Total Dissolved Solids	mg/L	500	332		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		342 ⁺		33	Zinc	mg/L	5 [@]	0.01	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		174		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		12		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as CaCO ₃)	mg/L	300 [@]	93		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		5	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		<MDL	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.44		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	<MDL	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.30 ¹	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		36.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.09	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	15.44			II			<MDL	0.02

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MDL Method Detection Limit

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² Estimation derived from major Cationic and Anionic constituents

³ Acidity value qualified

- No basis for determination

