REGION 5

RESULT OF ANALYSIS

1	Name of WD	Bacacay
2	Date of Analysis	June 2003
3	*Area number*	4 - *Region 5*
4	Province	Albay

1	Name of source		Bacacay Pumping Station
2	Location	13° 17' 19.7"	*Magsaysay Ave., Bacacay*
		123° 47' 7.1"	Albay
3	*Depth Borehole; meter*		48
4	Discharge Flowrate; liters/sec		18
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		7.16	
2	*Temperature*	°C		26*		27	*Calcium*	mg/L		53.52	
3	pH		6.5-8.5	8*		28	Magnesium	mg/L		16.57	
4	*Color*	Units	5	5		29	Silica	mg/L		117	
5	Turbidity	NTU	5	7		30	Total Iron	mg/L	1	1.58	0.001
6	Conductivity	*u* S/cm		640		31	Total Manganese	mg/L	0.5	0.18	0.006
7	Total Dissolved Solids	mg/L	500	429		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		479		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	57		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		-		36	Chromium	mg/L	*0.05*	<MDL	*0.003*
12	Hardness (as $CaCO_3$)	mg/L	300 @	202		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	16		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	0.04 [1]	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	0.66		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		15		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		4		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 @	12.88			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	Legaspi
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Legaspi City

1	Name of source		Bogña Well No.2
2	Location	13° 11' 13"	Legaspi WD, Bogña, Legaspi Cit
		123° 43' 42.8"	
3	Depth Borehole; meter		30
4	Discharge Flowrate; liters/sec		25
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		5.78	
2	Temperature	°C		27.8*		27	Calcium	mg/L		34.67	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		5.14	
4	Color	Units	5	10		29	Silica	mg/L		101.09	
5	Turbidity	NTU	5	7		30	Total Iron	mg/L	1	2.92	0.001
6	Conductivity	u S/cm		397		31	Total Manganese	mg/L	0.5	0.04	0.006
7	Total Dissolved Solids	mg/L	500	219 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		290		33	Zinc	mg/L	5 @	0.12	0.002
9	Chloride	mg/L	250	8		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		16		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	108		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	40		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	0.33		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	0.35 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		12		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 @	12.34			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	Daraga
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Albay

1	Name of source		Budiao Well No.2
2	Location	13° 10' 49.8"	Bgy. Budiao, Daraga, Albay
		123° 41' 26.9"	
3	Depth Borehole; meter		25
4	Discharge Flowrate; liters/sec		21
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.83	
2	Temperature	°C		25.7*		27	Calcium	mg/L		25.64	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		5.02	
4	Color	Units	5	20		29	Silica	mg/L		92	
5	Turbidity	NTU	5	35		30	Total Iron	mg/L	1	3.65	0.001
6	Conductivity	uS/cm		275		31	Total Manganese	mg/L	0.5	0.12	0.006
7	Total Dissolved Solids	mg/L	500	251		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		283		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		14		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 @	85		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	13		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	0.02 [1]	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		<0.2	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	0.003	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		1		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		0.04	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	8.94			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	Camarines Norte
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Norte

1	Name of source		CNWD Well No.1
2	Location	14° 6' 6.4"	Bgy. Lagui Labo, Camarines No
		122° 48' 21"	
3	Depth Borehole; meter		50
4	Discharge Flowrate; liters/sec		36.11
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		19.24	
2	Temperature	°C		25.8*		27	Calcium	mg/L		5.13	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		2.4	
4	Color	Units	5	<5		29	Silica	mg/L		134	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		132		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	107		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		148		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		8		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 @	23		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	1		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		0	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	0.446		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		5		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.26	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	3.2			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	Camarines Norte
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Norte

1	Name of source		CNWD Well No.4
2	Location	14° 6' 7"	Bgy. Lagui Labo, Camarines No
		122° 48' 14.7"	
3	Depth Borehole; meter		50
4	Discharge Flowrate; liters/sec		50
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.94	
2	Temperature	°C		25.8*		27	Calcium	mg/L		5.23	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		2.7	
4	Color	Units	5	<5		29	Silica	mg/L		133	
5	Turbidity	NTU	5	0.009		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		256 [2]		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	164		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		160		33	Zinc	mg/L	5 @	0.009	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	0.01	0.001
10	Total Alkalinity	mg/L		8		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		11		36	Chromium	mg/L	0.05	0.006	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	5		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		0	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	0.32 [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	0.448		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	0.01	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		5		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		0.27	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	3.15			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	Pili
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Sur

1	Name of source		PIWAD San Vicente PS
2	Location	13° 33' 25.1"	Bgy. San Vicente, Pili,
		123° 16' 34.6"	Camarines Sur
3	Depth Borehole; meter		140
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.04	
2	Temperature	°C		30.7*		27	Calcium	mg/L		17.43	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		5.37	
4	Color	Units	5	<5		29	Silica	mg/L		105	
5	Turbidity	NTU	5	1.42		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		767		31	Total Manganese	mg/L	0.5	0.36	0.006
7	Total Dissolved Solids	mg/L	500	569		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		661		33	Zinc	mg/L	5 @	0.02	0.002
9	Chloride	mg/L	250	21		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		25		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 @	66		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	189		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	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	0.54		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		12		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 @	9.08			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	Aroroy
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Masbate

1	Name of source		Filmenera Well No.1
2	Location	12° 28' 32.8"	Sta. Maria St., Poblacion,
		123° 23' 44.5"	Aroroy, Masbate
3	Depth Borehole; meter		26
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		2.33	
2	Temperature	°C		30.6*		27	Calcium	mg/L		19.02	
3	*pH*		6.5-8.5	7.1*		28	*Magnesium*	mg/L		4.74	
4	Color	Units	5	<5		29	Silica	mg/L		33	
5	Turbidity	NTU	5	10		30	Total Iron	mg/L	1	1.16	0.001
6	Conductivity	*u*S/cm		262		31	Total Manganese	mg/L	0.5	0.69	0.006
7	Total Dissolved Solids	mg/L	500	158		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		251		33	Zinc	mg/L	5 @	0.02	0.002
9	Chloride	mg/L	250	5		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		29		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 @	67		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	36		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		0	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	0.91 [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	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.35 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		31		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		14		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 @	5.75			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	Ligao
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Ligao City

1	Name of source		LiCWD Pumping Station No.2
2	Location	13° 13' 57.4"	Bgy. Tuburan, Ligao City
		123° 33' 36.4"	
3	Depth Borehole; meter		119
4	Discharge Flowrate; liters/sec		21
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.94	
2	Temperature	°C		27.5*		27	Calcium	mg/L		25.78	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		4.31	
4	Color	Units	5	<5		29	Silica	mg/L		87	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		270		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	203		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		241		33	Zinc	mg/L	5 @	0.04	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		90		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		11		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	82		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		0	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	0.42		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3		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		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 @	7.68			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	Legaspi
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Legaspi City

1	Name of source		Mabinit Well No.1
2	Location	13° 10' 56.1"	Legaspi WD, Mabinit, Legaspi C
		123° 43' 1.9"	
3	Depth Borehole; meter		30
4	Discharge Flowrate; liters/sec		28
5	Date of Well Operation		No data
6	*Disinfection* Unit;	*Gas Chlorinator*	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		5.12	
2	Temperature	°C		28.6*		27	Calcium	mg/L		70.24	
3	pH		6.5-8.5	7*		28	Magnesium	mg/L		8.94	
4	Color	Units	5	10		29	Silica	mg/L		84	
5	Turbidity	NTU	5	8		30	Total Iron	mg/L	1	1.45	0.001
6	Conductivity	*u* S/cm		780		31	Total Manganese	mg/L	0.5	0.07	0.006
7	Total Dissolved Solids	mg/L	500	454		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		604		33	Zinc	mg/L	5 @	0.08	0.002
9	*Chloride*	*mg/L*	*250*	*30*		34	*Copper*	*mg/L*	1	*<MDL*	*0.001*
10	Total Alkalinity	mg/L		17		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 @	212		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	217		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	0.17 [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	0.39		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	0.35 [1]	0.01	45	*Heptachlor/Heptachlor* Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1		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 @	25.82			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	Matnog
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		MWD Pumping Station #2
2	Location	12° 35' 6.1"	Brgy. Caloocan
		124° 4' 54.5"	Matnog, Sorsogon
3	Depth Borehole; meter		60
4	Discharge Flowrate; liters/sec		3
5	Date of Well Operation		No data
6	Disinfection	Gas Chlorinator	No data
	Unit	*Hypochlorinator*	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.12	
2	Temperature	°C		29.7*		27	Calcium	mg/L		19.82	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		5.02	
4	Color	Units	5	<5		29	Silica	mg/L		24	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		319		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	208		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		289		33	Zinc	mg/L	5 @	0.26	0.002
9	*Chloride*	*mg/L*	*250*	*16*		34	*Copper*	*mg/L*	1	<MDL	0.001
10	Total Alkalinity	mg/L		58		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 @	70		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		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	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		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		5.0		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 @	10.02			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	Matnog
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		MWD Pumping Station No.4
2	Location	12° 34' 58.3"	Bgy. Caloocan
		124° 5 ' 2.7"	Matnog, Sorsogon
3	Depth Borehole; meter		43
4	Discharge Flowrate; liters/sec		3
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.74	
2	Temperature	°C		31.2*		27	Calcium	mg/L		51.74	
3	*pH*		*6.5-8.5*	*7.6**		28	*Magnesium*	*mg/L*		*7.94*	
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	*u*S/cm		495		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	366		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		372		33	Zinc	mg/L	5 @	0.21	0.002
9	Chloride	mg/L	250	17		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		30		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	162		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		0	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	0.6		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	*DO (DO%)*	mg/L		6		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 @	13.32			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

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	Gubat
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		Paco Pumping Station No. 2
2	Location	12° 58' 26.3"	Gubat WD, Paco
		124° 8' 4.4"	Gubat, Sorsogon
3	Depth Borehole; meter		30
4	Discharge Flowrate; liters/sec		1.6
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.81	
2	Temperature	°C		28.1*		27	Calcium	mg/L		155	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		2.9	
4	Color	Units	5	<5		29	Silica	mg/L		44	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.68	0.001
6	Conductivity	uS/cm		746		31	Total Manganese	mg/L	0.5	0.14	0.006
7	Total Dissolved Solids	mg/L	500	248 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		408		33	Zinc	mg/L	5 @	0.19	0.002
9	Chloride	mg/L	250	16		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		35		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		41		36	Chromium	mg/L	0.05	0.02	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	399		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	1		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		0.48	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	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		2		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 @	4.9			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	Pili
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Sur

1	Name of source		PIWAD DA Pumping Station
2	Location	13° 33' 43.4"	Bgy. San Agustin, Pili,
		123° 16' 8.3"	Camarines Sur
3	Depth Borehole; meter		160
4	Discharge Flowrate; liters/sec		25
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		12.79	
2	Temperature	°C		32.4*		27	Calcium	mg/L		111.9	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		12.86	
4	Color	Units	5	<5		29	Silica	mg/L		104	
5	Turbidity	NTU	5	1.66		30	Total Iron	mg/L	1	0.38	0.001
6	Conductivity	uS/cm		828 [2]		31	Total Manganese	mg/L	0.5	0.46	0.006
7	Total Dissolved Solids	mg/L	500	530 [2]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		1,335		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	60		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		48		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		38		36	Chromium	mg/L	0.05	0.02	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	332		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	159		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		16	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	0.91 [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	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.35 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		8		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2		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 @	29.64			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	Paracale
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Norte

1	Name of source		Tugos Pumping Station
2	Location	14° 16' 20.5"	Tugos, Paracale
		122° 46' 49"	Camarines Norte
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*	1	26	Potassium	mg/L		<MDL	1.0
2	Temperature	°C		25	0.10	27	Calcium	mg/L		2.5	0.3
3	pH		6.5-8.5	5.99	0.10	28	Magnesium	mg/L		2.1	0.3
4	Color	Units	5	2	4	29	Silica	mg/L		15	0.10
5	Turbidity	NTU	5	0.26	0.10	30	Total Iron	mg/L	1	0.2	0.09
6	Conductivity	u S/cm		90	0.10	31	Total Manganese	mg/L	0.5	0.08	0.06
7	Total Dissolved Solids	mg/L	500	63	4.0	32	Aluminum	mg/L	0.2	<MDL	0.50
8	Total Solids	mg/L		70	4.0	33	Zinc	mg/L	5 @	0.03	0.03
9	Chloride	mg/L	250	13	0.20	34	Copper	mg/L	1	<MDL	0.02
10	Total Alkalinity	mg/L		9.2	1.0	35	Arsenic	mg/L	0.01	<MDL	0.5
11	Acidity	mg/L		21	1.0	36	Chromium	mg/L	0.05	<MDL	0.005
12	Hardness (as $CaCO_3$)	mg/L	300 @	15	0.20	37	Cadmium	mg/L	0.003	<MDL	0.02
13	Sulfate	mg/L	250	4.3	0.40	38	Selenium	mg/L	0.01	0.005	0.005
14	Phosphate	mg/L		2	0.02	39	Lead	mg/L	0.01	<MDL	0.06
15	Nitrite	mg/L	3	0	0.006	40	Mercury	mg/L	0.001	0.16	0.10
16	Nitrate	mg/L	50	0.65 [1]	0.02	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.01
17	Ammonia-Nitrogen	mg/L		<MDL	0.02	42	Chlordane	µg/L	0.2	<MDL	0.20
18	Fluoride	mg/L	1	0.02	0.005	43	DDT	µg/L	2	<MDL	0.05
19	Cyanide	mg/L	0.07	<MDL	0.05	44	Endrin	µg/L	0.2	<MDL	0.01
20	Hydrogen Sulfide	mg/L	0.05	0	0.05	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.9	2.0	46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		31	5.0	47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		5.2	2.0	48	Toxaphene	µg/L		<MDL	0.50
24	Surfactant	mg/L		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.03
25	Sodium	mg/L	200 @	7.6	1.0		II			<MDL	0.03

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*	*Daraga*
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Albay

1	*Name of source*		*Salvacion Pumping Station*
2	Location	13° 10' 53.4"	Sta. Maria St., San Roque,
		123° 40' 29.1"	Daraga, Albay
3	Depth Borehole; meter		125
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		2.61	
2	Temperature	°C		26.7*		27	Calcium	mg/L		36.36	
3	pH		6.5-8.5	7*		28	Magnesium	mg/L		5.06	
4	*Color*	*Units*	*5*	<5		29	*Silica*	*mg/L*		103	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u S/cm*		262		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	220		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		311		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		16		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 @	109		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	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	0.34		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	0.43 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1		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 @	8.86			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	Bato
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Sur

1	Name of source		San Vicente PS #1
2	Location	13° 21' 44.8"	Brgy. San Vicente
		123° 22' 12.7"	Bato, Camarines Sur
3	Depth Borehole; meter		35
4	Discharge Flowrate; liters/sec		17
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.4	
2	Temperature	°C		30.9*		27	Calcium	mg/L		23.85	
3	*pH*		*6.5-8.5*	7.3*		28	*Magnesium*	*mg/L*		7.54	
4	Color	Units	5	<5		29	Silica	mg/L		72.9	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.26	0.001
6	Conductivity	*u*S/cm		506		31	Total Manganese	mg/L	0.5	0.22	0.006
7	Total Dissolved Solids	mg/L	500	164 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		258 +		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		32		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		22		36	Chromium	mg/L	0.05	0.009	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	90.6		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	0.82		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		1.02	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	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	0.59		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	-	0.01	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		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		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	18.31			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	Bato
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Sur

1	Name of source		San Vicente Pumping Station No.2
2	Location	13° 21' 29.9"	Bgy.San Vicente, Camarines Su
		123° 22' 13.3"	
3	Depth Borehole; meter		40
4	Discharge Flowrate; liters/sec		14-17
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		9.46	
2	Temperature	°C		29.5*		27	Calcium	mg/L		71.18	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		7.69	
4	Color	Units	5	<5		29	Silica	mg/L		76	
5	Turbidity	NTU	5	4		30	Total Iron	mg/L	1	0.76	0.001
6	Conductivity	uS/cm		475		31	Total Manganese	mg/L	0.5	0.28	0.006
7	Total Dissolved Solids	mg/L	500	290		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		320		33	Zinc	mg/L	5 @	0.06	0.002
9	Chloride	mg/L	250	9		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		29		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 @	209		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		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	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	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.35 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1		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		0.12	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	15.18			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	Nabua
2	Date of Analysis	June 2003
3	*Area number*	4 - *Region 5*
4	Province	Camarines Sur

1	Name of source		Santiago Old Pumping Station
2	Location	13° 23' 51.9"	Bgy.Santiago Old Nabua,
		123° 21' 21.11"	Camarines Sur
3	Depth Borehole; meter		155
4	Discharge Flowrate; liters/sec		35
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		15.62	
2	Temperature	°C		38.3*		27	Calcium	mg/L		6.68	
3	pH		6.5-8.5	8.5*		28	Magnesium	mg/L		2.45	
4	Color	Units	5	10		29	Silica	mg/L		117.03	
5	Turbidity	NTU	5	5		30	Total Iron	mg/L	1	0.03	0.001
6	Conductivity	*u* S/cm		1,075		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	563		32	Aluminum	mg/L	0.2	0.04	0.01
8	Total Solids	mg/L		710		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	67		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		58		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 @	26.77		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		4.79	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.07 [1]	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.43 [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	0.99		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	0.34 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		16		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2		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 @	56.74			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	Sorsogon City
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		SCWD Pumping Station #2
2	Location	12° 59' 25.8"	Capitol Compound
		124° 0' 46.1"	Abuyog, Sorsogon
3	Depth Borehole; meter		150
4	Discharge Flowrate; liters/sec		17
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.16	
2	Temperature	°C		25.4 *		27	Calcium	mg/L		4.52	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		3.88	
4	Color	Units	5	<5		29	Silica	mg/L		94	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	1.1	0.001
6	Conductivity	uS/cm		247		31	Total Manganese	mg/L	0.5	0.18	0.006
7	Total Dissolved Solids	mg/L	500	164		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		261		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		14		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		11		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	27		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		4	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.01	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	0.43		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		5.0		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 @	8.02			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	Sorsogon City
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		SCWD Pumping Station #7
2	Location	12° 56' 47.9"	Capitol Compound
		124° 3' 15.6"	Abuyog, Sorsogon
3	Depth Borehole; meter		74
4	Discharge Flowrate; liters/sec		5
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		9.18	
2	Temperature	°C		26.7*		27	Calcium	mg/L		47.34	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		5.38	
4	Color	Units	5	<5		29	Silica	mg/L		84	
5	Turbidity	NTU	5	26.00		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		993		31	Total Manganese	mg/L	0.5	0.2	0.006
7	Total Dissolved Solids	mg/L	500	559		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		675		33	Zinc	mg/L	5 @	0.91	0.002
9	Chloride	mg/L	250	94		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		34		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 @	140		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	0.02 [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	0.21		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	-	0.010	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		3.0		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		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 @	38.54			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	Nabua
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Camarines Sur

1	Name of source		Sta. Lucia Pumping Station
2	Location	13° 25' 11.9"	Brgy. Sta. Lucia
		123° 22' 55"	Nabua, Camarines Sur
3	Depth Borehole; meter		150
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		18.59	
2	*Temperature*	°C		32*		27	*Calcium*	mg/L		86.3	
3	pH		6.5-8.5	7.7*		28	Magnesium	mg/L		10.34	
4	Color	Units	5	5		29	Silica	mg/L		141	
5	Turbidity	NTU	5	4.00		30	Total Iron	mg/L	1	0.68	0.001
6	Conductivity	*u*S/cm		1,084		31	Total Manganese	mg/L	0.5	0.41	0.006
7	Total Dissolved Solids	mg/L	500	400 *		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		749		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	54		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		63		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 @	258		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		14	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.7 [1]	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	*Nitrate*	mg/L	50	0.3 [1]	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	0.26		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		3.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		19.0		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		0.11	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	46.08			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	Iriga City
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Iriga City

1	Name of source		Sta. Terisita Pumping Station
2	Location	13° 28' 44"	Rufino Hagas Sr. St
		123° 25' 5.3"	San Roque, Iriga City
3	Depth Borehole; meter		25
4	Discharge Flowrate; liters/sec		1.5
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		10.52	
2	Temperature	°C		27.5*		27	Calcium	mg/L		19.17	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		5.78	
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	uS/cm		276		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	176 [2]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		287		33	Zinc	mg/L	5 @	0.02	0.002
9	Chloride	mg/L	250	7		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 @	72		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	3.09 [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	0.61		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	-	0.01	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		16		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 @	3.71			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	Tabaco
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Albay

1	Name of source		Tabaco Pumoing Station
2	Location	13° 21' 29.8"	Karangahan Blvd., Tabaco, Alb
		123° 43' 12.8"	
3	Depth Borehole; meter		100
4	Discharge Flowrate; liters/sec		60
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		1.49	
2	Temperature	°C		28*		27	Calcium	mg/L		5.4	
3	pH		6.5-8.5	8*		28	Magnesium	mg/L		5.42	
4	Color	Units	5	10		29	Silica	mg/L		106	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	1.15	0.001
6	Conductivity	uS/cm		285 [2]		31	Total Manganese	mg/L	0.5	0.11	0.006
7	Total Dissolved Solids	mg/L	500	183		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		228		33	Zinc	mg/L	5 @	0.1	0.002
9	Chloride	mg/L	250	4		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		9		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 @	36		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	14		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	0.003 [1]	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	0.55		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	0.43 [1]	0.01	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		<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		0.20	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	7.08			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	Gubat
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		Tiris Pumping Station
2	Location	12° 57' 11.4"	Bgy. Tiris, Gubat, Sorsogon
		124° 7' 41.3"	
3	*Depth Borehole; meter*		*60*
4	Discharge Flowrate; liters/sec		16
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		9.42	
2	Temperature	°C		27.8*		27	Calcium	mg/L		135.4	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		5.72	
4	Color	Units	5	<5		29	Silica	mg/L		95	
5	*Turbidity*	NTU	5	<5		30	Total Iron	mg/L	1	1.44	0.001
6	Conductivity	*u* S/cm		1,310		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	545 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		660 +		33	Zinc	mg/L	5 @	0.08	0.002
9	Chloride	mg/L	250	212		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		38		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		305		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	362		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	13		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	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	0.004	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		27		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		3		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 @	51.1			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	Donsol
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		Tres Marias PS No.1
2	Location	12° 54' 44.4"	Bgy. Poso San Jose St.
		123° 35' 55.9"	Tres Marias, Donsol, Sorsogon
3	Depth Borehole; meter		60
4	Discharge Flowrate; liters/sec		8
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		11.28	
2	Temperature	°C		35.8*		27	Calcium	mg/L		0	
3	*pH*		6.5-8.5	8.7*		28	*Magnesium*	*mg/L*		0.6	
4	Color	Units	5	milkish color*		29	Silica	mg/L		104	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.15	0.001
6	Conductivity	*u* S/cm		619		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	396 [2]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		561		33	Zinc	mg/L	5 [@]	0.18	0.002
9	*Chloride*	*mg/L*	*250*	*88*		34	*Copper*	*mg/L*	1	<MDL	0.001
10	Total Alkalinity	mg/L		41		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 [@]	2		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	1		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	0.23 [1]	0.001	40	Mercury	mg/L	0.001	<MDL	0.001
16	Nitrate	mg/L	50	0.13 [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	0.64		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	0.35 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		38		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		11		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 [@]	118			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	Donsol
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Sorsogon

1	Name of source		Tres Marias PS No.2
2	Location	12° 54' 23.1"	Bgy. Poso
		123° 6' 26.9"	Tres Marias, Donsol, Sorsogon
3	Depth Borehole; meter		37
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		10.12	
2	Temperature	°C		28.9*		27	Calcium	mg/L		87.13	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		20.78	
4	Color	Units	5	<5		29	Silica	mg/L		56	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	0.57	0.001
6	Conductivity	uS/cm		623		31	Total Manganese	mg/L	0.5	0.04	0.006
7	Total Dissolved Solids	mg/L	500	363		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		368		33	Zinc	mg/L	5 @	0.15	0.002
9	Chloride	mg/L	250	22		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		41		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		150		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	303		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		0	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	0.42		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		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		38		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		6		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 @	27.32			II			<MDL	0.02

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

* On Site Analysis (CEST Inc.)

ND Not Detected

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 Naga
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Naga City

1	Name of source		Villa Sonabella Pumping Sta.
2	Location	13° 37' 9.1"	Bgy. Concepcion Grande
		123° 12' 56.6"	Naga City
3	Depth Borehole; meter		106
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		16.26	
2	Temperature	°C		28.2*		27	Calcium	mg/L		16.4	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		6.74	
4	Color	Units	5	20		29	Silica	mg/L		113	
5	Turbidity	NTU	5	31		30	Total Iron	mg/L	1	2.8	0.001
6	Conductivity	uS/cm		337		31	Total Manganese	mg/L	0.5	0.17	0.006
7	Total Dissolved Solids	mg/L	500	216 [2]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		316		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	16		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		42		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	69		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		0.95	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	0.48 [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	1.41		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		14		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2		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 @	5.62			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	Virac
2	Date of Analysis	June 2003
3	Area number	4 - Region 5
4	Province	Catanduanes

1	Name of source		Virac Pump Station
2	Location	13° 34' 57.4"	Cavinitan, Virac, Catanduanes
		124° 12' 37.3"	
3	Depth Borehole; meter		No data
4	Discharge Flowrate; liters/sec		61
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		3.94	
2	Temperature	°C		28.1*		27	Calcium	mg/L		125.98	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		1.78	
4	Color	Units	5	<5		29	Silica	mg/L		5	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		291		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	186 [2]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		312		33	Zinc	mg/L	5 @	0.01	0.002
9	Chloride	mg/L	250	29		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		258		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 @	322		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		0	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	0.12		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	0.43 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		27		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2		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 @	7.8			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

REGION 6

RESULT OF ANALYSIS

1	Name of WD	Bacolod City
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Baciwa PS #1
2	Location	10° 40' 16.1"	Brgy. Granada, Bacolod City
		123° 0' 36.8"	Negros Occidental
3	Depth Borehole; meter		190
4	Discharge Flowrate; liters/sec		32.69
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.19	
2	Temperature	°C		29.4*		27	Calcium	mg/L		20.07	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		4.64	
4	Color	Units	5	<5		29	Silica	mg/L		97	
5	Turbidity	NTU	5	1.23*		30	Total Iron	mg/L	1	0.14	0.001
6	Conductivity	uS/cm		241		31	Total Manganese	mg/L	0.5	0.12	0.006
7	Total Dissolved Solids	mg/L	500	200		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		237		33	Zinc	mg/L	5 @	0.02	0.002
9	Chloride	mg/L	250	0		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		94		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		12		36	Chromium	mg/L	0.05	0.03	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	69		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		6	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.1 [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	0.28		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		0.95*		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*

* 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	Bacolod City
2	Date of Analysis	June 2003
3	*Area number*	*5 - Region 6*
4	Province	Negros Occidental

1	Name of source		Baciwa PS #2
2	Location	10° 38' 35.3"	Brgy. Vista Alegre, Bacolod Cit
		123° 0' 2.4"	Negros Occidental
3	Depth Borehole; meter		180
4	Discharge Flowrate; liters/sec		29.39
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.52	
2	Temperature	°C		29.1*		27	Calcium	mg/L		23.52	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		7.89	
4	Color	Units	5	<5		29	Silica	mg/L		98	
5	Turbidity	NTU	5	2.11*		30	Total Iron	mg/L	1	0.16	0.001
6	Conductivity	uS/cm		379		31	Total Manganese	mg/L	0.5	0.24	0.006
7	Total Dissolved Solids	mg/L	500	227		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		390		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		152		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		14		36	Chromium	mg/L	0.05	0.006	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	91		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		6	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	0.37		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	*DO (DO%)*	*mg/L*		*5.90**		*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 @	10.29			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	Barotac Viejo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		BVWD pumping Station #1
2	Location	11° 3' 10" 122° 50 46.3"	Brgy. San Lucas, Barotac Viejo Iloilo
3	*Depth Borehole; meter*		*18*
4	Discharge Flowrate; liters/sec		4
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator Hypochlorinator	No data

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		1.28	
2	Temperature	°C		28.2*		27	Calcium	mg/L		47.68	
3	pH		6.5-8.5	7.7*		28	Magnesium	mg/L		5.76	
4	Color	Units	5	<5		29	Silica	mg/L		94	
5	*Turbidity*	NTU	5	2.99*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		420		31	Total Manganese	mg/L	0.5	0.16	0.006
7	Total Dissolved Solids	mg/L	500	253		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		292		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	16		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		15		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	143		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	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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.84*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		38.0		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 @	3.15			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	Barotac Viejo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		BVWD Pumping Station #2
2	Location	11° 4' 10.1"	Brgy. San Lucas, Barotac Viejo
		122° 50 48.2"	Iloilo
3	Depth Borehole; meter		20
4	Discharge Flowrate; liters/sec		4
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		1.28	
2	Temperature	°C		28.8*		27	Calcium	mg/L		14.48	
3	pH		6.5-8.5	6.6*		28	Magnesium	mg/L		5.36	
4	Color	Units	5	<5		29	Silica	mg/L		58	
5	Turbidity	NTU	5	1.63*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		262		31	Total Manganese	mg/L	0.5	0.04	0.006
7	Total Dissolved Solids	mg/L	500	153		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		311		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		13		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		26		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	59		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	13		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	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	0.06		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		2.16*		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 @	2.86			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 Roxas
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Roxas City

1	Name of source		Cabugao Pumping Station
2	Location	11° 25' 34.4"	Brgy. Cabugao, Roxas City
		122° 45' 34.4"	
3	Depth Borehole; meter		36
4	Discharge Flowrate; liters/sec		6
5	Date of Well Operation		No data
6	Disinfection	Gas Chlorinator	No data
	Unit	Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		<MDL	
2	Temperature	°C		25		27	Calcium	mg/L		54	
3	pH		6.5-8.5	7.2		28	Magnesium	mg/L		18	
4	Color	Units	5	2		29	Silica	mg/L		94	
5	Turbidity	NTU	5	0.80		30	Total Iron	mg/L	1	0.09	0.001
6	Conductivity	uS/cm		530		31	Total Manganese	mg/L	0.5	0.12	0.006
7	Total Dissolved Solids	mg/L	500	272		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		324		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	18		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		20		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	209		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	9.9		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		0.71	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	0.02		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	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		5.1		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		84.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		2.2		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			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	La Carlota
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Carwater Pumping Station #1
2	Location	10° 25' 41.5"	La Carlota City, Negros Occidental
		122° 55' 49"	
3	Depth Borehole; meter		21
4	Discharge Flowrate; liters/sec		33
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.08	
2	Temperature	°C		29.3*		27	Calcium	mg/L		26.5	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		3.68	
4	Color	Units	5	<5		29	Silica	mg/L		94	
5	Turbidity	NTU	5	1.60*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		355		31	Total Manganese	mg/L	0.5	0.41	0.006
7	Total Dissolved Solids	mg/L	500	272		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		284		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	1		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		146		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 @	81		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	0.1 [1]	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	0.29		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.71*		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 @	2.76			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	Dingle-Pototan
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		DPWD Deepwell/PS Abangay PS
2	Location	10° 57' 21.3"	Brgy. Abangay, Dingle, Iloilo
		122° 39' 2.3"	
3	Depth Borehole; meter		44
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		7.95	
2	Temperature	°C		27.5*		27	Calcium	mg/L		117.18	
3	*pH*		*6.5-8.5*	*7.7**		*28*	*Magnesium*	*mg/L*		9.01	
4	Color	Units	5	10		29	Silica	mg/L		69	
5	Turbidity	NTU	5	2.12		30	Total Iron	mg/L	1	1.1	0.001
6	Conductivity	uS/cm		1,420		31	Total Manganese	mg/L	0.5	0.44	0.006
7	Total Dissolved Solids	mg/L	500	845		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		881		33	Zinc	mg/L	5 @	0.08	0.002
9	Chloride	mg/L	250	164		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		66		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		50		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	330		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		2	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	0.21	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	*DO (DO%)*	mg/L		*5.75**		*46*	*Lindane*	µg/L	2	<MDL	*0.01*
22	COD	mg/L		49.0		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		<MDL	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	58.06			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	Buenavista
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Guimaras

1	Name of source		Pumping Station #1
2	Location	10° 41' 54.8"	Brgy. Mclain, Buenavista
		122° 38' 57.5"	Guimaras
3	Depth Borehole; meter		56
4	Discharge Flowrate; liters/sec		5
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		11.03	
2	Temperature	°C		29.5*		27	Calcium	mg/L		63.69	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		2.06	
4	Color	Units	5	<5		29	Silica	mg/L		16	
5	Turbidity	NTU	5	3.53*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		502		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	267		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		308		33	Zinc	mg/L	5 @	0.02	0.002
9	Chloride	mg/L	250	10		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		22		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	168		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	0.21		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.80*		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		3.0		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 @	26.45			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	Buenavista
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Guimaras

1	Name of source		Pumping Station #2
2	Location	10° 42' 6.1"	Brgy. New Poblacion, Buenavista
		122° 38' 50.2"	Guimaras
3	Depth Borehole; meter		59
4	Discharge Flowrate; liters/sec		4.5
5	Date of Well Operation		No data
6	*Disinfection*	*Gas Chlorinator*	No data
	Unit	Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		5.86	
2	Temperature	°C		29.4*		27	Calcium	mg/L		68.15	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		3.9	
4	Color	Units	5	<5		29	Silica	mg/L		18	
5	Turbidity	NTU	5	1.38*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		553		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	209 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		268		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	11		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		42		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	186		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*	3.43 [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	0.02	0.01
19	Cyanide	mg/L	0.07	0.007	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	*Heptachlor/Heptachlor* Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		2.42*		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 @	28.69			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	Hamtic
2	Date of Analysis	June 2003
3	*Area number*	*5 - Region 6*
4	Province	Antique

1	Name of source		Hamtic WD Pumping Station
2	Location	N 10° 42' 7.6"	Poblacion 3, Hamtic, Antique
		E 121° 58' 52.6"	Hamtic WD, Hamtic, Antique
3	Depth Borehole; meter		60
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.5	
2	Temperature	°C		28.5*		27	Calcium	mg/L		30.82	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		8.57	
4	Color	Units	5	10		29	Silica	mg/L		84	
5	Turbidity	NTU	5	1.10*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u*S/cm		1054		31	Total Manganese	mg/L	0.5	0.04	0.006
7	Total Dissolved Solids	mg/L	500	468		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		678		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	173		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		128		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 @	112		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		2	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	0.13		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	*DO (DO%)*	mg/L		0.77*		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		0.09	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	14.21			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	Jordan
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Guimaras

1	Name of source		Pumping Station #1
2	Location	10° 39' 55.3"	Brgy. Rizal, Jordan, Guimaras
		122° 35' 37.8"	
3	Depth Borehole; meter		78
4	Discharge Flowrate; liters/sec		6
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		9.96	
2	Temperature	°C		28.7*		27	Calcium	mg/L		73.67	
3	*pH*		*6.5-8.5*	7.2*		28	*Magnesium*	*mg/L*		14.12	
4	Color	Units	5	<5		29	Silica	mg/L		27	
5	Turbidity	NTU	5	3.28*		30	Total Iron	mg/L	1	<MDL	0.001
6	*Conductivity*	*u S/cm*		1,549		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	550 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		640 +		33	Zinc	mg/L	5 @	0.01	0.002
9	*Chloride*	*mg/L*	*250*	264		34	*Copper*	*mg/L*	1	<MDL	0.001
10	Total Alkalinity	mg/L		170		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		46		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	*mg/L*	300 @	242		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	0.68		43	DDT	µg/L	2	0.46	0.01
19	Cyanide	mg/L	0.07	0.005	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		4.74*		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 @	36.98			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	Ibajay
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Aklan

1	Name of source		Laguinbanua PS
2	Location	11° 48' 31.9"	Ibajay WD, Ibajay, Aklan
		122° 9' 18.8"	
3	Depth Borehole; meter		59
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		20.88	
2	Temperature	°C		28.6*		27	Calcium	mg/L		68.75	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		28.44	
4	Color	Units	5	20		29	Silica	mg/L		118	
5	Turbidity	NTU	5	2.67*		30	Total Iron	mg/L	1	0.57	0.001
6	Conductivity	*u*S/cm		526 [2]		31	Total Manganese	mg/L	0.5	0.27	0.006
7	Total Dissolved Solids	mg/L	500	337 [+]		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		652 [+]		33	Zinc	mg/L	5 [@]	0.1	0.002
9	Chloride	mg/L	250	23		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		81		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		58		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 [@]	289		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		9.57	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	0.26 [1]	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		8.4	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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2*		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		8.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.21	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 [@]	28.12			II			<MDL	0.02

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

* On Site Analysis (CEST Inc.)

ND Not Detected

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	Libacao
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Aklan

1	Name of source		Libacao
2	Location	N 11° 28' 44.9"	Libacao WD, Escalona St., Pob.
		E 122° 18' 1.5"	Libacao , Aklan
3	Depth Borehole; meter		50
4	Discharge Flowrate; liters/sec		6.9
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.44	
2	Temperature	°C		26.9*		27	Calcium	mg/L		21.52	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		3.36	
4	Color	Units	5	<5		29	Silica	mg/L		58.64	
5	Turbidity	NTU	5	0.59*		30	Total Iron	mg/L	1	0.11	0.001
6	Conductivity	*u* S/cm		199		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	104 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		145		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	6		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		5		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	68		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		48.7	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	0.26 [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	0.15		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.96*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		19.0		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		0.16	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	5.02			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	Mambusao
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	Name of source		Mambusao Pumping Station
2	Location	11° 25' 34.4"	Poblacion, Mambusao, Capiz
		122° 35' 33.5"	
3	Depth Borehole; meter		33
4	Discharge Flowrate; liters/sec		5.1
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.14	
2	Temperature	°C		28.0*		27	Calcium	mg/L		91.88	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		7.77	
4	Color	Units	5	33		29	Silica	mg/L		101	
5	Turbidity	NTU	5	<5		30	Total Iron	mg/L	1	8.03	0.001
6	Conductivity	*u* S/cm		-		31	Total Manganese	mg/L	0.5	1.26	0.006
7	Total Dissolved Solids	mg/L	500	358		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		392		33	Zinc	mg/L	5 @	0.09	0.002
9	Chloride	mg/L	250	29		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		36		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 @	261		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		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	0.83 [1]	0.001	41	Aldrin & Dieldrin	µg/L	0.03	<MDL	0.02
17	Ammonia-Nitrogen	mg/L		8	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.34		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		2.0		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		31.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		8.0		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.)

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 Kalibo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Aklan

1	Name of source		Manabayan Pump Station
2	Location	N 11° 41' 40.5"	Metro Kalibo WD, Brgy.
		E 122° 21' 43.9"	Manabayan, Kalibo, Aklan
3	Depth Borehole; meter		47
4	Discharge Flowrate; liters/sec		33
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		7.62	
2	Temperature	°C		29.6*		27	Calcium	mg/L		8.74	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		7.47	
4	Color	Units	5	<5		29	Silica	mg/L		96.37	
5	Turbidity	NTU	5	0.93*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		375		31	Total Manganese	mg/L	0.5	0.02	0.006
7	Total Dissolved Solids	mg/L	500	227		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		279		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	24		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		21		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		5		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	53		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		3.68	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	0.2		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	0.01	0.01
21	DO (DO%)	mg/L		1.61*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		31.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		5.0		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			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	Manapla
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Pumping Station #1
2	Location	10° 57' 17"	Poblacion 1-B, Manapla
		123° 57' 29.2"	Negros Occidental
3	Depth Borehole; meter		66
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		5.53	
2	Temperature	°C		28.1*		27	Calcium	mg/L		50.78	
3	pH		6.5-8.5	7.2*		28	Magnesium	mg/L		4.98	
4	Color	Units	5	7		29	Silica	mg/L		73	
5	Turbidity	NTU	5	5.17*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		275		31	Total Manganese	mg/L	0.5	0.26	0.006
7	Total Dissolved Solids	mg/L	500	256		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		271		33	Zinc	mg/L	5 @	0.07	0.002
9	Chloride	mg/L	250	7		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		96		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		28		36	Chromium	mg/L	0.05	0.07	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	147		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		<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	0.16		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	0.58 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.52*		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 @	5.1			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	Manapla
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Pumping Station #2
2	Location	10° 57' 8"	Poblacion 1-A, Manapla
		123° 7' 41.5"	*Negros Occidental*
3	Depth Borehole; meter		48
4	Discharge Flowrate; liters/sec		No data
5	Date of Well Operation		No data
6	Disinfection	Gas Chlorinator	No data
	Unit	Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		4.82	
2	Temperature	°C		28*		27	Calcium	mg/L		43.94	
3	pH		6.5-8.5	6.9*		28	Magnesium	mg/L		5.03	
4	Color	Units	5	10		29	Silica	mg/L		99	
5	Turbidity	NTU	5	2.18*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		278		31	Total Manganese	mg/L	0.5	0.14	0.006
7	Total Dissolved Solids	mg/L	500	228		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		245		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		104		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		24		36	Chromium	mg/L	0.05	0.02	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	130		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	0.01 [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	0.27		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	0.48	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		0.98*		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	Metro Iloilo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		MWD Pumping Station #1
2	Location	10° 45' 6.7"	Brgy. Bita Norte, Oton, Iloilo
		122° 28' 9.06"	
3	Depth Borehole; meter		101
4	Discharge Flowrate; liters/sec		38.46
5	Date of Well Operation		No data
6	*Disinfection* Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		14.4	
2	Temperature	°C		28.1*		27	Calcium	mg/L		18.88	
3	pH		6.5-8.5	8.1*		28	Magnesium	mg/L		16	
4	Color	Units	5	10		29	Silica	mg/L		41	
5	Turbidity	NTU	5	3.19*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u*S/cm		1,406		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	677		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		745		33	Zinc	mg/L	5 @	0.2	0.002
9	*Chloride*	*mg/L*	250	174		34	*Copper*	*mg/L*	1	<MDL	0.001
10	Total Alkalinity	mg/L		209		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 @	113		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		2	0.1	39	Lead	mg/L	0.01	<MDL	0.005
15	Nitrite	mg/L	3	0.1 [1]	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		2	0.20	42	Chlordane	µg/L	0.2	<MDL	0.02
18	Fluoride	mg/L	1	0.03		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	0.23 [1]	0.01	45	*Heptachlor/Heptachlor* Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		4.54*		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		0.15	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	52.2			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 Iloilo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		MWD Pumping Station #2
2	Location	10° 45' 57.8"	Brgy. Sta. Monica, Oton, Iloilo
		122° 27' 0.2"	
3	Depth Borehole; meter		90
4	Discharge Flowrate; liters/sec		28.4
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.46	
2	Temperature	°C		28.4*		27	Calcium	mg/L		94.08	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		13.46	
4	Color	Units	5	<5		29	Silica	mg/L		64	
5	Turbidity	NTU	5	3.29*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		738		31	Total Manganese	mg/L	0.5	0.12	0.006
7	Total Dissolved Solids	mg/L	500	363		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		407		33	Zinc	mg/L	5 @	0.22	0.002
9	Chloride	mg/L	250	31		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		160		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		26		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	290		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		1	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	0.18		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.36*		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 @	16.98			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	New Lucena
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Iloilo

1	Name of source		NLWD Deepwell/PS
2	Location	10° 51' 29.7"	Brgy. Cabilawan, New Lucena
		122° 34' 37.1"	Iloilo
3	Depth Borehole; meter		35
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.53	
2	Temperature	°C		28.6*		27	Calcium	mg/L		93.53	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		3.18	
4	Color	Units	5	<5		29	Silica	mg/L		61	
5	Turbidity	NTU	5	4.21*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		807		31	Total Manganese	mg/L	0.5	0.14	0.006
7	Total Dissolved Solids	mg/L	500	708 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		708 +		33	Zinc	mg/L	5 @	0.07	0.002
9	Chloride	mg/L	250	503		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		42		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		38		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	247		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		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	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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.18*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		53.0		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		0.02	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	14.03			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*	*Panitan*
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	*Name of source*		*Panitan Pumping Station*
2	Location	11° 28' 3.3"	Brgy. Tabuc, Norte Panitan
		122° 46' 28.9"	Capiz
3	Depth Borehole; meter		36
4	Discharge Flowrate; liters/sec		16
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	*Odor*		U	U*		26	Potassium	mg/L		3.83	
2	Temperature	°C		29.5*		27	Calcium	mg/L		13.17	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		3.62	
4	Color	Units	5	14		29	Silica	mg/L		32	
5	Turbidity	NTU	5	40.89*		30	Total Iron	mg/L	1	4.68	0.001
6	Conductivity	uS/cm		205		31	Total Manganese	mg/L	0.5	0.38	0.006
7	Total Dissolved Solids	mg/L	500	112		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		115		33	Zinc	mg/L	5 @	0.29	0.002
9	*Chloride*	*mg/L*	*250*	11		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		12		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		7		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	48		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	2.87 [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	0.14		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.84*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		108.0		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 @	6.08			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	Patnongon
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Antique

1	Name of source		Patnongon WD Pumping Statio
2	Location	N 10° 55' 8.5"	Patnongon WD, Poblacion,
		E 121° 59' 51.1"	Patnongon, Antique
3	Depth Borehole; meter		50
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.34	
2	Temperature	°C		28.9*		27	Calcium	mg/L		37.74	
3	pH		6.5-8.5	7.9*		28	Magnesium	mg/L		8.26	
4	Color	Units	5	<5		29	Silica	mg/L		74	
5	Turbidity	NTU	5	1.16*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		465		31	Total Manganese	mg/L	0.5	0.046	0.006
7	Total Dissolved Solids	mg/L	500	257		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		257		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	14		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		96		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 @	128		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	5		38	Selenium	mg/L	0.01	<MDL	0.001
14	Phosphate	mg/L		0	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	0.12		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.57*		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 @	10.9			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	Pilar
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	Name of source		Pilar Pumping Station #1
2	Location	N 11° 28' 36.2"	Pilar WD, Brgy. Natividad,
		E 122° 59' 56.7"	Pilar, Capiz
3	Depth Borehole; meter		7.62
4	Discharge Flowrate; liters/sec		1.5
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator / Hypochlorinator	No data

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.12	
2	Temperature	°C		30.1*		27	Calcium	mg/L		28.68	
3	pH		6.5-8.5	7.4*		28	Magnesium	mg/L		6.78	
4	Color	Units	5	<5		29	Silica	mg/L		93	
5	Turbidity	NTU	5	7.42*		30	Total Iron	mg/L	1	0.68	0.001
6	Conductivity	u S/cm		282		31	Total Manganese	mg/L	0.5	0.18	0.006
7	Total Dissolved Solids	mg/L	500	185 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		186 +		33	Zinc	mg/L	5 @	0.56	0.002
9	Chloride	mg/L	250	25		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		17		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 @	100		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	0.26 [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	0.24		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	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.71*		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		4.0		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 @	13.4			II				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	Pilar
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	Name of source		Pilar Pumping Station #2
2	Location	11° 28' 34.6"	Pilar WD, Brgy. Natividad,
		122° 59' 56.1"	Pilar, Capiz
3	Depth Borehole; meter		9.15
4	Discharge Flowrate; liters/sec		1.5
5	Date of Well Operation		No data
6	Disinfection	Gas Chlorinator	No data
	Unit	Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.64	
2	Temperature	°C		28.8*		27	Calcium	mg/L		32.56	
3	pH		6.5-8.5	7.8*		28	Magnesium	mg/L		8.4	
4	Color	Units	5	<5		29	Silica	mg/L		87	
5	Turbidity	NTU	5	6.88*		30	Total Iron	mg/L	1	0.15	0.001
6	Conductivity	uS/cm		307		31	Total Manganese	mg/L	0.5	0.29	0.006
7	Total Dissolved Solids	mg/L	500	161 +		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		191		33	Zinc	mg/L	5 @	0.18	0.002
9	Chloride	mg/L	250	7		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		98		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	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	0.26 [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	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.73*		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 @	11.36			II			<MDL	0.02

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

* On Site Analysis (CEST Inc.)

ND Not Detected

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

RESULT OF ANALYSIS

1	Name of WD	Pontevedra
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	Name of source		Pontevedra Pumping Station #1
2	Location	N 11 28' 39.2"	Pontevedra WD, Brgy. Sublang
		E 122° 49' 26"	Pontevedra, Capiz
3	Depth Borehole; meter		47
4	Discharge Flowrate; liters/sec		33
5	Date of Well Operation		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		8.62	
2	Temperature	°C		28*		27	Calcium	mg/L		314.34	
3	pH		6.5-8.5	6.8*		28	Magnesium	mg/L		25.88	
4	Color	Units	5	10		29	Silica	mg/L		95.61	
5	Turbidity	NTU	5	3.16*		30	Total Iron	mg/L	1	2.92	0.001
6	Conductivity	uS/cm		1733		31	Total Manganese	mg/L	0.5	0.98	0.006
7	Total Dissolved Solids	mg/L	500	1061		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		1379		33	Zinc	mg/L	5 @	<MDL	0.002
9	Chloride	mg/L	250	485		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		34		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	891.48		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	35		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	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	0.14		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.14*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		53.0		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 @	12.1			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	Pontevedra
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Capiz

1	Name of source		Pontevedra Pumping Station #2
2	Location	11° 24' 51.5"	Brgy. Hipona, Pontevedra
		122° 52' 53.1"	Capiz
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.62	
2	Temperature	°C		28.1*		27	Calcium	mg/L		43.56	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		5	
4	Color	Units	5	<5		29	Silica	mg/L		87.59	
5	Turbidity	NTU	5	0.8*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		457		31	Total Manganese	mg/L	0.5	0.08	0.006
7	Total Dissolved Solids	mg/L	500	260		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		300		33	Zinc	mg/L	5 @	0.06	0.002
9	Chloride	mg/L	250	56		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		11		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	129		37	Cadmium	mg/L	0.003	<MDL	0.003
13	Sulfate	mg/L	250	14		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	0.3	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	0.15		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.91*		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		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 @	11.75			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	Pontevedra
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Pumping Station #1
2	Location	10° 21' 34.7"	Brgy. Canroma, Pontevedra
		122° 52' 48.2"	Negros Occidental
3	Depth Borehole; meter		27
4	Discharge Flowrate; liters/sec		3.85
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.21	
2	Temperature	°C		28.4*		27	Calcium	mg/L		17.6	
3	pH		6.5-8.5	7*		28	Magnesium	mg/L		4.98	
4	Color	Units	5	<5		29	Silica	mg/L		96	
5	Turbidity	NTU	5	1.59*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		231		31	Total Manganese	mg/L	0.5	0.02	0.006
7	Total Dissolved Solids	mg/L	500	244		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		252		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		82		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		26		36	Chromium	mg/L	0.05	<MDL	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	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	1.87 [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	0.21		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		3.99*		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		<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 @	3.1			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 Roxas
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Roxas City

1	Name of source		Quiabog Pumping Station
2	Location	11° 30' 48.5"	Metro Roxas WD, Sitio Quiabo
		122° 45' 36.9"	Brgy. Loctugan, Roxas City
3	Depth Borehole; meter		90
4	Discharge Flowrate; liters/sec		3.1
5	Date of Well Operation		No data
6	*Disinfection* Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		3.23	
2	Temperature	°C		29.4*		27	Calcium	mg/L		80.25	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		5.68	
4	Color	Units	5	<5		29	Silica	mg/L		93	
5	Turbidity	NTU	5	8.49*		30	Total Iron	mg/L	1	0.32	0.001
6	Conductivity	uS/cm		648		31	Total Manganese	mg/L	0.5	0.1	0.006
7	Total Dissolved Solids	mg/L	500	394		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		465		33	Zinc	mg/L	5 @	0.16	0.002
9	*Chloride*	*mg/L*	250	46		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		17		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	224		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		10	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	0.15		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.56*		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 @	34.98			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	Sagay City
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		PS-1 (Well #14)
2	Location	10° 52' 47.5"	Sitio Bateria, Brgy. Plaridel
		123° 27' 37.4"	Sagay City, Negros Occidental
3	Depth Borehole; meter		54
4	Discharge Flowrate; liters/sec		16
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		2.28	
2	Temperature	°C		28.5*		27	Calcium	mg/L		188.26	
3	pH		6.5-8.5	7.1*		28	Magnesium	mg/L		4.08	
4	Color	Units	5	<5		29	Silica	mg/L		15	
5	Turbidity	NTU	5	0.96*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		643		31	Total Manganese	mg/L	0.5	<MDL	0.006
7	Total Dissolved Solids	mg/L	500	304		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		331		33	Zinc	mg/L	5 @	0.04	0.002
9	Chloride	mg/L	250	18		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		238		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		48		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	487		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	0.01 [1]	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	0.18		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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.97*		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 @	5.23			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	Sagay City
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		PS-2 (Well #2)
2	Location	10° 53' 39.3"	Poblacion, Sagay City
		123° 24' 51.1"	Negros Occidental
3	Depth Borehole; meter		118
4	Discharge Flowrate; liters/sec		16
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		1.05	
2	Temperature	°C		27.7*		27	Calcium	mg/L		55.18	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		1.58	
4	Color	Units	5	<5		29	Silica	mg/L		41	
5	Turbidity	NTU	5	2.11*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		537		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		340		33	Zinc	mg/L	5 @	0.03	0.002
9	Chloride	mg/L	250	8		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		122		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		7.5		36	Chromium	mg/L	0.05	<MDL	0.003
12	Hardness (as $CaCO_3$)	mg/L	300 @	<5		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	0.01 [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	0.14		43	DDT	µg/L	2	<MDL	0.01
19	Cyanide	mg/L	0.07	0.003	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	0.23 [1]	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		7.80*		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 @	13.54			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	Silay City
2	*Date of Analysis*	*July 2003*
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Silay WD PS-1 (WD Well #5)
2	Location	10° 47' 20.8"	Brgy. Guinhalanan Silay City
		122° 58' 52.7"	Negros Occidental
3	Depth Borehole; meter		126
4	Discharge Flowrate; liters/sec		37
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		4.81	
2	*Temperature*	°C		29*		27	Calcium	mg/L		32.48	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		5.46	
4	Color	Units	5	7		29	Silica	mg/L		82	
5	Turbidity	NTU	5	3.65*		30	Total Iron	mg/L	1	0.44	0.001
6	Conductivity	*u* S/cm		297		31	Total Manganese	mg/L	0.5	0.37	0.006
7	Total Dissolved Solids	mg/L	*500*	232		32	*Aluminum*	*mg/L*	0.2	<MDL	0.01
8	Total Solids	mg/L		246		33	Zinc	mg/L	5 @	<MDL	0.002
9	*Chloride*	*mg/L*	250	6		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		116		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 @	89		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		7	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*	*0.61* [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	0.4		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*	-	*0.01*	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.61*		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		13.0		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 @	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	Silay City
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occidental

1	Name of source		Silay WD PS-2 (WD Well #2)
2	Location	10° 46' 37.1"	District Fortun Subd., Brgy. 5 (Pob)
		122° 58' 18.7"	Silay City, Negros Occidental
3	Depth Borehole; meter		160
4	Discharge Flowrate; liters/sec		6
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.08	
2	Temperature	°C		28.7*		27	Calcium	mg/L		15.28	
3	pH		6.5-8.5	7.3*		28	Magnesium	mg/L		6.14	
4	Color	Units	5	5		29	Silica	mg/L		81	
5	Turbidity	NTU	5	2.41*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	uS/cm		303		31	Total Manganese	mg/L	0.5	0.48	0.006
7	Total Dissolved Solids	mg/L	500	66		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		260		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		114		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 @	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		7	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	0.22	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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		1.59*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		18.0		47	Methoxychlor	µg/L	20	<MDL	0.02
23	BOD	mg/L		8.0		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 @	24.58			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 Kalibo
2	Date of Analysis	June 2003
3	Area number	5 - Region 6
4	Province	Aklan

1	Name of source		*Tigayon Pumping Station*
2	Location	N 11° 40' 37.5"	Metro Kalibo WD, Brgy. Tigayon
		E 122° 20' 54"	Kalibo, Aklan
3	Depth Borehole; meter		35
4	Discharge Flowrate; liters/sec		42
5	*Date of Well Operation*		No data
6	Disinfection Unit;	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	*Potassium*	*mg/L*		4.52	
2	Temperature	°C		29.5*		27	Calcium	mg/L		39.22	
3	pH		6.5-8.5	7*		28	Magnesium	mg/L		6	
4	Color	Units	5	<5		29	Silica	mg/L		85	
5	Turbidity	NTU	5	1.18*		30	Total Iron	mg/L	1	0.41	0.001
6	Conductivity	*u* S/cm		294		31	Total Manganese	mg/L	0.5	0.05	0.006
7	Total Dissolved Solids	mg/L	500	163		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		163		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		17		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 @	123		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		4.42	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	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	0	0.002	44	Endrin	µg/L	0.2	<MDL	0.02
20	Hydrogen Sulfide	mg/L	0.05	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.09*		46	Lindane	µg/L	2	<MDL	0.01
22	COD	mg/L		29.0		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		0.13	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	3.22			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	Victoria's
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occ.

1	Name of source		VWD PS-1 (WD Well #4)
2	Location	10° 53' 52.9"	District Hela Los Angeles Brgy. 14 (Pob.)
		123° 4' 55.1"	Victorias City, Negros Occ.
3	Depth Borehole; meter		150
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	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	U*		26	Potassium	mg/L		6.46	
2	Temperature	°C		28.3*		27	Calcium	mg/L		13.28	
3	pH		6.5-8.5	7.6*		28	Magnesium	mg/L		5.61	
4	Color	Units	5	<5		29	Silica	mg/L		84	
5	Turbidity	NTU	5	2.27*		30	Total Iron	mg/L	1	<MDL	0.001
6	Conductivity	*u* S/cm		271		31	Total Manganese	mg/L	0.5	0.19	0.006
7	Total Dissolved Solids	mg/L	500	202		32	Aluminum	mg/L	0.2	<MDL	0.01
8	Total Solids	mg/L		264		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		101		35	Arsenic	mg/L	0.01	<MDL	0.01
11	Acidity	mg/L		7		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	4		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	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	-	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	DO (DO%)	mg/L		2.72*		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		2.0		48	Toxaphene	µg/L		<MDL	0.02
24	Surfactant	mg/L		0.18	0.05	49	Endosulfan I	µg/L		<MDL	0.01
25	Sodium	mg/L	200 @	29.01			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	Victoria's
2	Date of Analysis	July 2003
3	Area number	5 - Region 6
4	Province	Negros Occ.

1	Name of source		VWD PS-2 (WD Well #2)
2	Location	10° 54' 8.1"	District Hela Los Angeles Brgy. 5 (Pob.)
		123° 27' 37.4"	Victorias City, Negros Occ.
3	Depth Borehole; meter		150
4	Discharge Flowrate; liters/sec		18
5	Date of Well Operation		No data
6	Disinfection Unit	Gas Chlorinator	No data
		Hypochlorinator	

	PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL		PARAMETERS	UNIT	PNSDW Limit	CONCEN-TRATION	MDL
1	Odor		U	O*		26	Potassium	mg/L		7.08	
2	Temperature	°C		29.7*		27	Calcium	mg/L		10.47	
3	pH		6.5-8.5	7.5*		28	Magnesium	mg/L		4.89	
4	Color	Units	5	<5		29	Silica	mg/L		59	
5	Turbidity	NTU	5	7.54*		30	Total Iron	mg/L	1	<MDL	0.001
6	*Conductivity*	*uS/cm*		*287*		31	*Total Manganese*	*mg/L*	0.5	0.14	0.006
7	Total Dissolved Solids	mg/L	500	250		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	8		34	Copper	mg/L	1	<MDL	0.001
10	Total Alkalinity	mg/L		103		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 @	46		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		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	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	0.27		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	0.16	0.01	45	Heptachlor/Heptachlor Epoxide	µg/L	0.03	<MDL	0.01
21	*DO (DO%)*	*mg/L*		4.06*		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		8.0		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 @	31.17			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*