



**PROPOSED SEWAGE TREATMENT PLANT FOR
ZAMBOANGA WATER DISTRICT,
MAGAY, ZAMBOANGA CITY**

12. SEWAGE ANALYSIS

RSTL FORM C
Date of 3rd revision:
January 08, 2004
Effectivity Date:
January 08, 2004



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY IX
Regional Standards and Testing Laboratories

Pettit Barracks, Zamboanga City
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Request Reference No. : R9-022017-CHE-0082
Date Submitted : February 02, 2017
Date Analyzed : February 02-07, 2017
Sample Submitted : Wastewater
Sample Description : Source: West Pumping Station
Date and Time of Sampling: 02/02/2017 @ 12:45 PM
Approx. 2 L, turbid, in PET bottle, with head space and 800 ml sample
in wide mouth glass jar, turbid

Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
Pasananca, Zamboanga City

RESULT OF CHEMICAL/PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS
Biochemical Oxygen Demand, ppm	Incubation (Dilution Technique) Method, SMEWW 5210 B., 22 nd ed., 2012	221
Oil and Grease, ppm	Liquid-Liquid, Partition-Gravimetric Method, SMEWW 5520 B., 22 nd ed., 2012	4
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX

REMARKS:

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O. B.
JANICE T. ONG
DENR Recognized Signatory

Noel Z. Arquiza
NOEL Z. ARQUIZA
Laboratory Analyst

NOTED BY:

Rosemarie S. Salazar
ROSEMARIE S. SALAZAR
Laboratory Head

APPROVED FOR RELEASE:

Martin A. Wee
MARTIN A. WEE
OIC-Regional Director

Report No. : 02082017-CHE-0167
DATE RELEASED : 2/13/17 g



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 DEPARTMENT OF SCIENCE AND TECHNOLOGY IX
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Request Reference No. : R9-022017-CHE-0082
Date Submitted : February 02, 2017
Date Analyzed : February 02-07, 2017
Sample Submitted : Wastewater
Sample Description : Source: East Pumping Station
 Date and Time of Sampling: 02/02/2017 @ 1:00 PM
 Approx. 2 L, turbid, in PET bottle, with head space and 800 ml sample
 in wide mouth glass jar, turbid

Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
 Pasonanca, Zamboanga City

RESULT OF CHEMICAL/PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS
Biochemical Oxygen Demand, ppm	Incubation (Dilution Technique) Method, SMEWW 5210 B., 22 nd ed., 2012	200
Oil and Grease, ppm	Liquid-Liquid, Partition-Gravimetric Method, SMEWW 5520 B., 22 nd ed., 2012	17
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXX

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MARTIN A. WEE
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Report No. : 02082017-CHE-0166
DATE RELEASED : 2/13/17



Request Reference No. : R9-022017-CHE-0082
Date Submitted : February 02, 2017
Date Analyzed : February 02-07, 2017
Sample Submitted : Wastewater
Sample Description : Source: Magay Creek
 Date and Time of Sampling: 02/02/2017 @ 11:40 AM
 Approx. 2 L, turbid, in PET bottle, with head space and 800 ml sample
 in wide mouth glass jar, turbid

Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
 Pasonanca, Zamboanga City

RESULT OF CHEMICAL/PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS
Biochemical Oxygen Demand, ppm	Incubation (Dilution Technique) Method, SMEWW 5210 B., 22 nd ed., 2012	73
Oil and Grease, ppm	Liquid-Liquid, Partition-Gravimetric Method, SMEWW 5520 B., 22 nd ed., 2012	3
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXXXXXXXXX

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Report No. : 02082017-CHE-0165
DATE RELEASED : 2/13/17



Request Reference No. : R9-032017-CHE-0176
Date Submitted : March 22, 2017
Date Analyzed : March 23-24, 2017
Sample Submitted : Wastewater
Sample Description : Source: Magay Creek; date and time of sampling: 03/22/2017 @ 9:00 AM, approx. 1.5 L in PET bottle and approx. 1 L in wide mouth glass container, turbid
Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES


PARAMETER	METHOD	RESULTS
Oil and Grease, ppm	Soxhlet Extraction Method, SMEWW 5520 D., 22 nd ed., 2012	10
Phosphate, ppm	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW 4500-P C., 22 nd ed., 2012	13.97
Nothing Follows		

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Report No. : 03262017-CHE-0324
Date Released : 03/29/17 PM

Page 1 of 1



Request Reference No. : R9-032017-CHE-0176
Date Submitted : March 23, 2017
Date Analyzed : March 23-24, 2017
Sample Submitted : Wastewater
Sample Description : Source: East Pumping Station; date and time of sampling: 3/22/2017 @ 9:00 AM, approx. 1.5 L in PET bottle and approx. 1 L in wide mouth glass container, turbid
Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS
Oil and Grease, ppm	Soxhlet Extraction Method, SMEWW 5520 D., 22 nd ed., 2012	38
Phosphate, ppm	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW 4500-P C., 22 nd ed., 2012	19.69
Nothing Follows		

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Report No. : 03262017-CHE-0325
Date Released : 03/29/17 PM 4

Page 1 of 1



Request Reference No. : R9-032017-CHE-0176
Date Submitted : March 23, 2017
Date Analyzed : March 23-24, 2017
Sample Submitted : Wastewater
Sample Description : Source: West Pumping Station; date and time of sampling: 3/22/2017 @ 9:00 AM, approx. 1.5 L in PET bottle and approx. 1 L in wide mouth glass container, turbid
Submitted by : ZAMBOANGA CITY WATER DISTRICT
Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS
Oil and Grease, ppm	Soxhlet Extraction Method, SMEWW 5520 D., 22 nd ed., 2012	60
Phosphate, ppm	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW 4500-P C., 22 nd ed., 2012	21.86
Nothing Follows		

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Report No. : 03262017-CHE-0326
Date Released : 13.04.17 PM 2:15



Request Reference No. : R9-042017-CHE-0212
Date Submitted : April 05, 2017
Date Analyzed : April 05-10 2017
Sample Submitted : Wastewater
Sample Description : East Pumping Station , Date and Time of Sampling: 04/05/2017 @ 9:30 AM
Approx. 1.5 L, turbid, in PET bottle
West Pumping Station , Date and Time of Sampling: 04/05/2017 @ 9:45 AM
Approx. 1.5 L, turbid, in PET bottle
Magay Creek , Date and Time of Sampling: 04/05/2017 @ 10:00 AM
Approx. 1.5 L, turbid, in PET bottle

Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS		
		East Pumping Station	West Pumping Station	Magay Creek
Biochemical Oxygen Demand, ppm	Incubation (Dilution Technique) Method, SMEWW 5210 B., 22 nd ed., 2012	322	233	170
Nothing Follows				

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Report No. : 04112017-CHE-0405
Date Released : 5/14/17 ASH

Page 1 of 1



Request Reference No. : R9-042017-CHE-0214
Date Submitted : April 05, 2017
Date Analyzed : April 17-21, 2017
Sample Submitted : Wastewater
Sample Description : **East Pumping Station**
Date & Time of Sampling: 04/05/2017 @ 9:30 AM
Approx. 500 ml, turbid, in PET bottle
West Pumping Station
Date & Time of Sampling: 04/05/2017 @ 9:45 AM
Approx. 500 ml, turbid, in PET bottle
Magay Creek
Date & Time of Sampling: 04/05/2017 @ 10:00 AM
Approx. 500 ml, turbid, in PET bottle


Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES


PARAMETER	METHOD	RESULTS		
		East Pumping Station	West Pumping Station	Magay Creek
Phosphate, ppm	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW 4500-P C., 22 nd ed., 2012	49.2	45.5	34.0
Nothing Follows				

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MARTIN A. WEE
OIC – Regional Director

Report No. : 04212017-CHE-0442
Date Released : 5/14/17 ASH



Request Reference No. : R9-042017-CHE-0213
 Date Submitted : April 05, 2017
 Date Analyzed : April 07-10 2017
 Sample Submitted : Wastewater
 Sample Description : East Pumping Station , Date and Time of Sampling: 04/05/2017 @ 9:30 AM
 Approx. 800 ml, turbid, in wide mouth glass jar
 West Pumping Station , Date and Time of Sampling: 04/05/2017 @ 9:45 AM
 Approx. 800 ml, turbid, in wide mouth glass jar
 Magay Creek , Date and Time of Sampling: 04/05/2017 @ 10:00 AM
 Approx. 800 ml, turbid, in wide mouth glass jar

Submitted by : **ZAMBOANGA CITY WATER DISTRICT**
 Pasonanca, Zamboanga City

RESULT OF CHEMICAL / PHYSICAL ANALYSES

PARAMETER	METHOD	RESULTS		
		East Pumping Station	West Pumping Station	Magay Creek
Oil and Grease, ppm	Liquid-Liquid, Partition-Gravimetric Method, SMEWW 5520 B., 22 nd ed., 2012	< 1	< 1	< 1
Nothing Follows				

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Report No. : 04112017-CHE-0406
 Date Released : *3/19/17* *ASH*