

US EPA ARCHIVE DOCUMENT



Guam Waterworks Authority (VP0989)

SDWA Sanitary Survey

Tumon, Guam

Northern System

NEIC Field Investigation Photographs

April 27, April 30, May 1, 2012



Overview Map



US EPA ARCHIVE DOCUMENT

File Name: RIMG0110.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 9:37:55 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Overview of Y 15 well

File Name: RIMG0111.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 9:42:40 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Y 15 well head

File Name: RIMG0112.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 9:47:15 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Bypass location

File Name: RIMG0113.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 9:47:26 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Close-up of bypass location

File Name: RIMG0114.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 9:48:24 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	From bypass pipe toward bypass location

File Name: RIMG0115.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/27/2012 9:54:13 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Well assembly



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:00:52 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Leak in well assembly chlorine make-up valve



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:01:22 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Leak in well assembly



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:11:23 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Chlorine room



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
[REDACTED]	[REDACTED]
Date Time Stamp	4/27/2012 10:12:55 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Turbidimeter

File Name: RIMG0120.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:15:52 AM
Photographer	K. Sable
Comment	Y 15 Well
Description	Generator diesel fuel tank

File Name: RIMG0121.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:28:00 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Overview of tank



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:31:39 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Degrading ladder with broken areas

File Name: RIMG0123.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 10:33:25 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Rust and deep pitting

File Name: RIMG0124.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/27/2012 10:35:16 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Rust areas on tank



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
[REDACTED]	[REDACTED]
Date Time Stamp	4/27/2012 10:39:30 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Previously patched area with precipitate build-up on outside of tank



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 10:39:46 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Close-up of previously patched area with build-up of precipitate

File Name: RIMG0127.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/27/2012 10:43:34 AM
Photographer	K. Sable
Comment	Santa Rosa Tank
Description	Close-up of previously patched area with build-up of precipitate

File Name: RIMG0128.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/27/2012 10:52:59 AM
Photographer	K. Sable
Comment	Santa Rosa Pump Station
Description	Overview of pump station

File Name: RIMG0129.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/27/2012 10:53:05 AM
Photographer	K. Sable
Comment	Santa Rosa Pump Station
Description	Overview of pump station

File Name: RIMG0130.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	745 ft
Date Time Stamp	4/27/2012 10:53:56 AM
Photographer	K. Sable
Comment	Santa Rosa Pump Station
Description	Missing motor



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 10:54:23 AM
Photographer	K. Sable
Comment	Santa Rosa Pump Station
Description	Leaking pump



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:03:31 AM
Photographer	K. Sable
Comment	Santa Rosa Pump Station
Description	Bypass pipe facing power station

File Name: RIMG0133.JPG



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Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:13:34 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Overview of pump station



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:17:56 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Pump # 1



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:20:14 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Leaking isolation valve in line # 2



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:21:25 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Vegetation growing out of pipe flange

File Name: RIMG0137.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 11:22:17 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Assembly overview

File Name: RIMG0138.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 11:27:48 AM
Photographer	K. Sable
Comment	Gayinero Pump Station
Description	Hole under fence

File Name: RIMG0139.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 1:36:30 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Overview of well

File Name: RIMG0140.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/27/2012 1:38:57 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Air vent

File Name: RIMG0141.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 1:39:52 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Sounding tube



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 1:41:46 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Leaking inlet for suction line for chlorine



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 1:47:32 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Bypass assembly dead ending to the ground

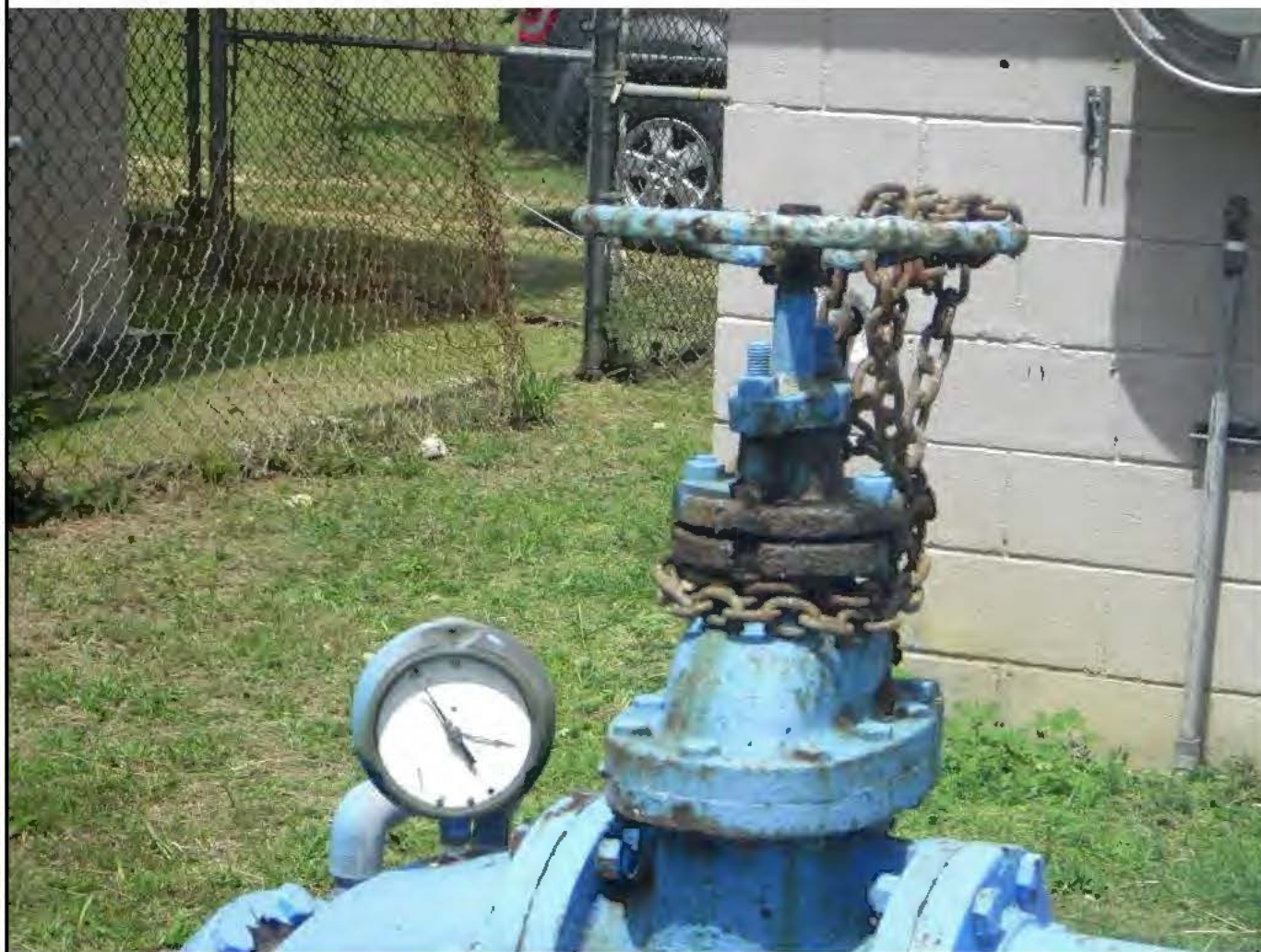
File Name: RIMG0144.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████ /
██████████	██████
Date Time Stamp	4/27/2012 1:48:51 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Bypass valve rusting retaining bolts

File Name: RIMG0145.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/27/2012 1:53:08 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Discharge line locked open

File Name: RIMG0146.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 1:56:30 PM
Photographer	K. Sable
Comment	Y 9 Well
Description	Chlorine building

File Name: RIMG0147.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/27/2012 2:17:53 PM
Photographer	K. Sable
Comment	Yigo # 1 Tank
Description	Overview of tank

File Name: RIMG0148.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 2:21:25 PM
Photographer	K. Sable
Comment	Yigo # 1 Tank
Description	Valve pit

File Name: RIMG0149.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 2:23:04 PM
Photographer	K. Sable
Comment	Yigo # 1 Tank
Description	Concrete base on tank

File Name: RIMG0150.JPG



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Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 2:24:56 PM
Photographer	K. Sable
Comment	Yigo # 2 Tank
Description	Overview of tank

File Name: RIMG0151.JPG



Attributes

Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 2:28:06 PM
Photographer	K. Sable
Comment	Yigo # 2 Tank
Description	Cathodic protection



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 2:36:25 PM
Photographer	K. Sable
Comment	Yigo # 3 Elevated Tank
Description	Overview of tank



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 2:37:06 PM
Photographer	K. Sable
Comment	Yigo # 3 Elevated Tank
Description	Close-up of leak from tank

File Name: RIMG0154.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 2:37:27 PM
Photographer	K. Sable
Comment	Yigo # 3 Elevated Tank
Description	Close-up of leak from tank

File Name: RIMG0155.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 3:17:04 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Overview of tank

File Name: RIMG0156.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/27/2012 3:19:47 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Inlet box



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 3:20:28 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Ladder with no cage

File Name: RIMG0158.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/27/2012 3:21:50 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Side of tank

File Name: RIMG0159.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/27/2012 3:27:51 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Damaged side of tank

File Name: RIMG0160.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	4/27/2012 3:28:00 PM
Photographer	K. Sable
Comment	Barrigada # 3 Tank
Description	Damaged side of tank

File Name: RIMG0161.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/27/2012 3:32:08 PM
Photographer	K. Sable
Comment	Hyundai Pump Station
Description	Overview of pump station

File Name: RIMG0162.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/27/2012 3:36:40 PM
Photographer	K. Sable
Comment	Hyundai Pump Station
Description	Rusted support

File Name: RIMG0163.JPG



Attributes

Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/27/2012 3:37:32 PM
Photographer	K. Sable
Comment	Hyundai Pump Station
Description	Hole where old pump was located

File Name: RIMG0164.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED] /
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 9:30:01 AM
Photographer	K. Sable
Comment	A 31 Well
Description	Well assembly

File Name: RIMG0165.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
██████	██████
Date Time Stamp	4/30/2012 9:30:52 AM
Photographer	K. Sable
Comment	A 31 Well
Description	Well head cracks and pitting

File Name: RIMG0166.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
██████	██████
Date Time Stamp	4/30/2012 9:34:58 AM
Photographer	K. Sable
Comment	A 31 Well
Description	Bypass valve to ground



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 9:42:43 AM
Photographer	K. Sable
Comment	A 31 Well
Description	Chlorine room

File Name: RIMG0168.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/30/2012 9:45:15 AM
Photographer	K. Sable
Comment	A 31 Well
Description	Diesel drain near well head

File Name: RIMG0169.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 9:55:10 AM
Photographer	K. Sable
Comment	UIC Ponding Basin
Description	Overview

File Name: RIMG0170.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
[REDACTED]	[REDACTED]
Date Time Stamp	4/30/2012 9:58:18 AM
Photographer	K. Sable
Comment	UIC Ponding Basin
Description	Overview

File Name: RIMG0171.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/30/2012 10:01:58 AM
Photographer	K. Sable
Comment	Manhole upstream of UIC ponding basin that has overflowed
Description	Manhole that has overflowed in the past

File Name: RIMG0172.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 10:19:17 AM
Photographer	K. Sable
Comment	Previous SSO Manhole Location
Description	Manhole on Route 4 near McDonalds

File Name: RIMG0173.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	███
Date Time Stamp	4/30/2012 10:28:52 AM
Photographer	K. Sable
Comment	A 23 Well
Description	Well with nearby manhole along Route 4

File Name: RIMG0174.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 10:30:39 AM
Photographer	K. Sable
Comment	A 23 Well
Description	Well assembly

File Name: RIMG0175.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██
Date Time Stamp	4/30/2012 10:43:24 AM
Photographer	K. Sable
Comment	A 23 Well
Description	Question on number of air vents on well head

File Name: RIMG0176.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 10:53:51 AM
Photographer	K. Sable
Comment	A 25 Well
Description	Overview of well

File Name: RIMG0177.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████ /
Elevation	████
Date Time Stamp	4/30/2012 10:54:07 AM
Photographer	K. Sable
Comment	A 25 Well
Description	Well assembly

File Name: RIMG0178.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
[REDACTED]	[REDACTED]
Date Time Stamp	4/30/2012 11:00:22 AM
Photographer	K. Sable
Comment	A 25 Well
Description	Deisel fuel tank with discharge to ground near well head

File Name: RIMG0179.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	4/30/2012 11:16:15 AM
Photographer	K. Sable
Comment	A 6 Well
Description	Well assembly

File Name: RIMG0180.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 1:29:22 PM
Photographer	K. Sable
Comment	A 1 Well
Description	Broken air valve

File Name: RIMG0181.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	████
Elevation	████
Date Time Stamp	4/30/2012 1:29:55 PM
Photographer	K. Sable
Comment	A 1 Well
Description	Sounding tube

File Name: RIMG0182.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/30/2012 1:32:49 PM
Photographer	K. Sable
Comment	A 1 Well
Description	Bypass and check valves

File Name: RIMG0183.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 1:40:37 PM
Photographer	K. Sable
Comment	A 1 Well
Description	Chlorine room without doors

File Name: RIMG0184.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/30/2012 1:49:44 PM
Photographer	K. Sable
Comment	A 3 Well
Description	Well assembly



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 2:45:00 PM
Photographer	K. Sable
Comment	A 9 Well
Description	Chlorine tanks

File Name: RIMG0186.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	4/30/2012 2:46:02 PM
Photographer	K. Sable
Comment	A 9 Well
Description	Well assembly

File Name: RIMG0187.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████████
Date Time Stamp	4/30/2012 2:54:42 PM
Photographer	K. Sable
Comment	A 10 Well
Description	Overview of well assembly (not in operation)

File Name: RIMG0188.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	████
Date Time Stamp	4/30/2012 3:19:58 PM
Photographer	K. Sable
Comment	A 21 Well
Description	Well assembly



Attributes	
Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
██████	██████
Date Time Stamp	4/30/2012 3:20:25 PM
Photographer	K. Sable
Comment	A 21 Well
Description	Close-up of leak

File Name: RIMG0190.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 10:19:07 AM
Photographer	K. Sable
Comment	D 5 Well
Description	Well assembly

File Name: RIMG0191.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 10:31:52 AM
Photographer	K. Sable
Comment	D 5 Well
Description	From well fence line to lake at discharge location

File Name: RIMG0192.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 10:33:36 AM
Photographer	K. Sable
Comment	D 5 Well
Description	Lake at discharge location

File Name: RIMG0193.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 10:49:26 AM
Photographer	K. Sable
Comment	EX 5 Well
Description	Minimal concrete pad not under well casement

File Name: RIMG0194.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 11:32:22 AM
Photographer	K. Sable
Comment	D 7 Well
Description	Remote telemetry unit for previous SCADA system

File Name: RIMG0195.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	5/1/2012 12:37:55 PM
Photographer	K. Sable
Comment	F 13 Well
Description	Rusted bypass valve

File Name: RIMG0196.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	5/1/2012 1:32:54 PM
Photographer	K. Sable
Comment	F 8 Well
Description	Granular activated carbon (GAC) tanks and well assembly

GUAM WATERWORKS AUTHORITY
 INTERIM DISINFECTION RESIDUAL LEVEL MONITORING PROGRAM
 STIPULATED ORDER FOR PRELIMINARY RELIEF NO. 02-00035(SD) PARAGRAPH 12
 DEEP WELL NO. F5

DEEP WELL MONITORING DATA

Date	Checked By (Emp. No.)	Soil PPD	Actual PPD	Resid PPD	Time	GPM	PSI	Chlorine lbs.	Solby. Cl2 Cyl.	Empty Cl2 Cyl.	Chlorine Residual	Meter Reading	Remarks
5/29/12	457	7	7	7	10:13	200	85	35	1	0	2.0	79035700	
5/30/12	457	7	7	7	9:58	200	85	31	1	0	2.0	79035800	
5/31/12	457	7	7	7	9:50	200	85	14	1	0	2.0	79035800	
4/1/12	602	7	7	7	9:13	200	90	25	1	0	2.0	790358100	
2	704	7	7	7	7:08	40	85	2	1	0	2.5	8014472	
4/3/12	457	7	7	7	10:40	200	85	120	0	1	2.0	8045900	
4/4/12	457	7	7	7	11:18	200	85	135	0	1	2.0	80755500	
4/5/12	457	7	7	7	12:02	200	85	100	10	0	2.0	81051900	
4/6/12	457	7	7	7	10:34	200	85	123	1	0	2.0	81221400	
4/7/12	457	7	7	7	11:00	200	85	115	1	0	2.0	81419400	
8	850	7	7	7	9:31	156	85	110	1	0	2.4	8172918	
4/9/12	602	-	-	-	5:26	-	-	110	1	0	N/A	8179500	Found well Tapped
4/10/12	457	7	7	7	10:24	200	85	105	1	0	2.0	82060400	New 512 PPD set end
4/11/12	457	7	7	7	2:05	200	85	100	1	0	2.0	82320000	
4/12/12	457	-	-	-	2:35	200	85	92	1	0	1.5	20709000	
4/13/12	457	7	7	7	09:54	200	85	87	1	0	0.5	62327400	
4/14/12	457	7	7	7	04:57	200	85	85	1	0	2.0	82327600	
4/15/12	602	7	7	7	9:08	200	85	78	1	0	2.0	8233110	
4/16/12	602	7	7	7	8:33	200	85	72	1	0	2.0	8233931	
4/17/12	457	7	7	7	10:00	200	85	62	1	0	2.0	82391200	
4/18/12	457	7	7	7	10:29	200	85	59	1	0	1.5	82315500	
4/19/12	457	7	7	7	11:08	200	85	54	1	0	1.5	84315300	
4/20/12	457	7	7	7	11:33	200	85	47	1	0	2.0	84315900	
4/21/12	457	7	7	7	11:51	200	85	47	1	0	2.0	85107500	
4/22/12	602	7	7	7	9:01	200	85	38	1	0	2.0	85320000	
4/23/12	602	7	7	7	8:56	200	90	32	1	0	2.0	85646700	
4/24/12	457	7	7	7	10:53	200	90	25	1	0	2.0	85595700	
4/25/12	457	7	7	7	10:22	200	90	17	1	0	1.5	86234600	
4/26/12	457	7	7	7	10:28	200	90	10	1	0	2.0	86518400	
4/27/12	457	7	7	7	09:43	200	90	4	1	0	2.0	864743700	
4/28/12	457	7	7	7	10:02	200	90	3	1	0	2.0	87089000	
4/29/12	602	7	7	7	8:54	200	90	10	1	0	2.0	87357000	
4/30/12	602	7	7	7	9:04	200	90	150	0	1	2.0		

US EPA ARCHIVE DOCUMENT

Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 2:13:07 PM
Photographer	K. Sable
Comment	F 5 Well
Description	Operator log notes no chlorine

File Name: RIMG0198.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 2:45:05 PM
Photographer	K. Sable
Comment	F 3 Well
Description	Well pad to right with spilt in road that contained trash

File Name: RIMG0199.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	5/1/2012 2:45:26 PM
Photographer	K. Sable
Comment	F 3 Well
Description	Close-up of road next to well pad with trash

File Name: RIMG0200.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
██████████	██████████
Photo Direction	██████
Elevation	██████t
Date Time Stamp	5/1/2012 2:50:28 PM
Photographer	K. Sable
Comment	F 3 Well
Description	Well assembly

File Name: RIMG0201.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████
Elevation	██████
Date Time Stamp	5/1/2012 3:17:58 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	Storm sewer ditch adjacent to well pad

File Name: RIMG0202.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 3:18:08 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	From well toward nearby Ypaopao wastewater pump station

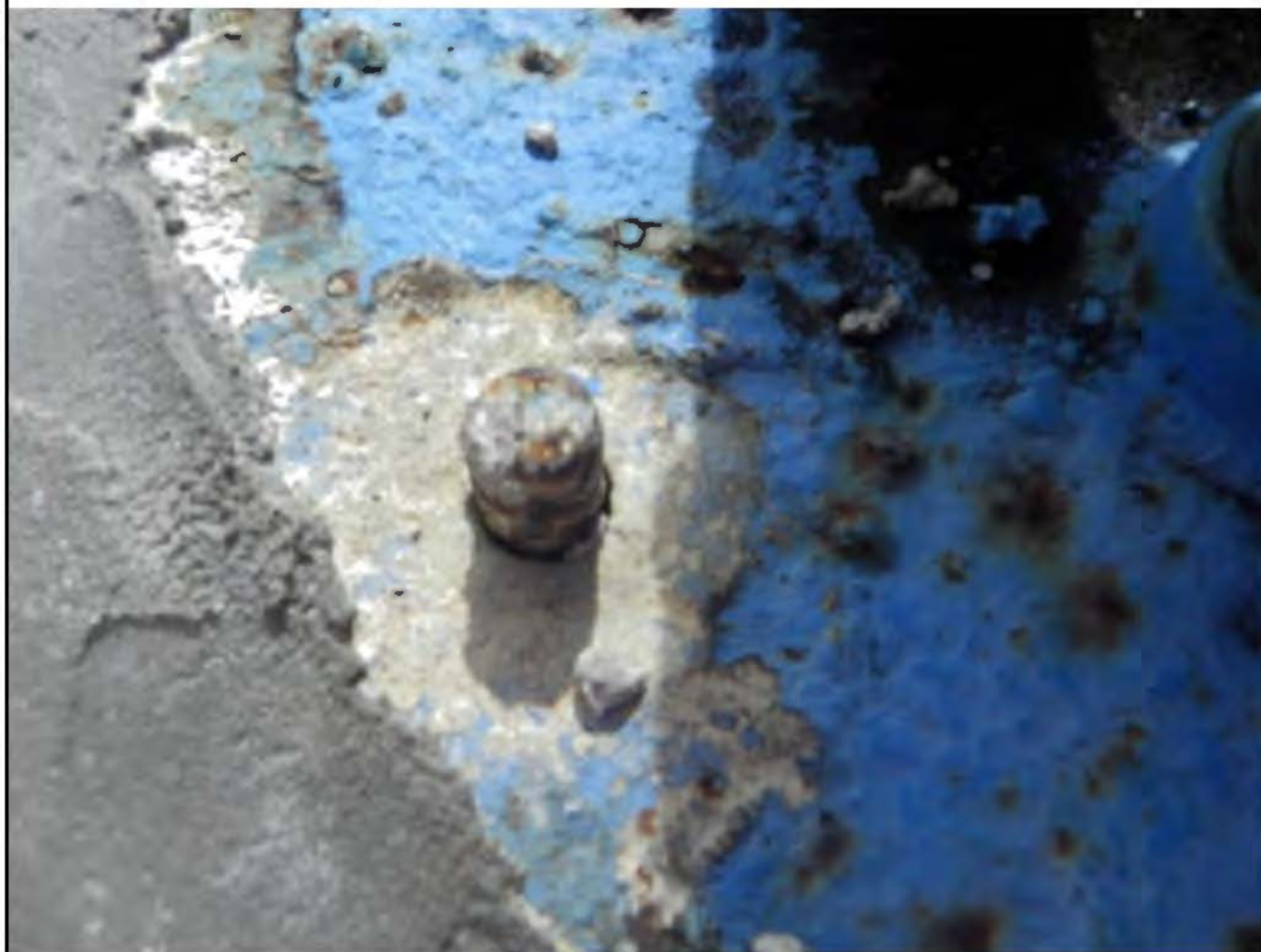
File Name: RIMG0203.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 3:21:24 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	Well casing with holes

File Name: RIMG0204.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 3:21:44 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	Close-up of alignment pins with holes in casing

File Name: RIMG0205.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	██████████
Longitude	██████████
Photo Direction	██████████
Elevation	██████
Date Time Stamp	5/1/2012 3:26:42 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	Ypaopao wastewater pump station near well with sink hole and storm water detention basin behind

File Name: RIMG0206.JPG



Attributes

Title	Guam Waterworks Authority (VP0989)
Subject	Northern System
Latitude	[REDACTED]
Longitude	[REDACTED]
Photo Direction	[REDACTED]
Elevation	[REDACTED]
Date Time Stamp	5/1/2012 3:29:02 PM
Photographer	K. Sable
Comment	Y 10 Well
Description	Sink hole and storm water detention basin