

**DOCKETED**

<b>Docket Number:</b>	08-AFC-03C
<b>Project Title:</b>	Marsh Landing Generating Station Compliance
<b>TN #:</b>	255387-3
<b>Document Title:</b>	Marsh Landing 2023 CEC Compliance Annual Report Part 3 of 4
<b>Description:</b>	Annual Compliance Operations Report
<b>Filer:</b>	David Frandsen
<b>Organization:</b>	NRG
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	3/29/2024 4:39:32 PM
<b>Docketed Date:</b>	3/29/2024

## **Marsh Landing Generating Station**

### **Annual Compliance Report**

---

#### **3.5 SOIL & WATER-6**

- Water flow meters have been installed in three locations.
  - Potable water flow FT400001
  - Potable water flow to the Raw Water Tank FT360004
  - Discharge flow of Waste Water/Sanitary Drains to DDSO FT950002
- Calibration activities were completed in March. See attached calibration sheets.

The range of annual water usage is a minimum of 7.1 acre feet in 2019 to 23.1 acre feet in 2020.

The average annual water usage is 12.0 acre feet. See attached Summary spreadsheet.

Payments to the City of Antioch are as follows:

- \$8,500 for the year 2013 paid in May 2014.
- \$8,200 for the year 2014 paid in May 2015.
- \$8,200 for the year 2015 paid in May 2016.
- \$9,000 for the year 2016 paid in May 2017.
- \$11,200 for the year 2017 paid in May 2018.
- \$9,700 for the year 2018 paid in May 2019.
- \$7,100 for the year 2019 paid in May 2020.
- \$23,100 for the year 2020 paid in May 2021.
- \$19,800 for the year 2021 paid in May 2022.
- \$15,500 for the year 2022 paid in May of 2023.
- \$11,300 for the year 2023 to be paid in May 2024.

## CALIBRATION DATA RECORD

CUSTOMER <b>Clearway Marsh Landing LLC</b>	PROJECT <b>March 2022 Shutdown</b>
INST. I.D. <b>0-FT-360004</b>	MANUF. <b>Rosemount</b>
SERVICE <b>Raw Water Supply</b>	
MODEL NO: <b>8732EST2AIN0M4C1Q4</b>	SERIAL NO: <b>338997</b>
INPUT: <b>0-500 GAL/MIN</b>	OUTPUT: <b>4-20 madc</b>
CAL DATA: <b>Tube Cal # 0838 3052 0825 2005</b>	INST. TYPE: <b>magmeter 6"</b>
SENSOR DATA: <b>0-FE-360004</b> <b>S/N 0218808</b>	LOCATION: <b>raw water tank</b>

TEST EQUIPMENT	MODEL	S/N	NIST TEST
Flowtube Simulator	Rosemount 8714D	326886	208626
Multimeter	Fluke 87	29100150	3817432

INPUT		OUTPUT RESULTS		
%	VALUE	DESIRED	AS FOUND	AS LEFT
0	0 Ft/sec	4 madc	4.000	4.000
10	3 Ft/sec	5.6 madc	5.601	5.601
33.3	10 Ft/sec	9.33 madc	9.334	9.334
100	30 Ft/sec	20 madc	20.002	20.002

ISOLATION VALVE POSITION	AS FOUND: <b>N/A</b>	AS LEFT: <b>N/A</b>
REMARKS: <b>Tube Cal Number 0838305208252005</b>	<b>Calibration Tube Settings 1000015010000000</b>	
<b>Units = GAL/MIN</b>	<b>Calibration Units of measure = Ft/S</b>	
<b>LRV = 0</b>	<b>Cal Analog Output Range: 20mA = 30.00 ft/sec</b>	
<b>URV = 500</b>	<b>Cal Analog Output Zero: 4mA = 0 ft/sec</b>	
<b>Freq = 5 HZ</b>	<b>Cal Freq = 5 HZ</b>	

Reset to customer configuration

PERFORMED BY <b>D-Farley</b>	DATE: <b>3/30/2023</b>
VERIFIED BY	DATE: <b>3/30/23</b>

**3D Technical Services, Inc.**  
**Clayton, California**  
**(925) 691-5543**

## CALIBRATION DATA RECORD

CUSTOMER <b>Clearway Marsh Landing LLC</b>	PROJECT <b>March 2022 Shutdown</b>
INST. I.D. <b>0-FT-400001</b>	MANUF. <b>Rosemount</b>
SERVICE <b>Outfall A / Raw Water Tank</b>	
MODEL NO: <b>8732EST2AIN0M4C1Q4</b>	SERIAL NO: <b>338199</b>
INPUT: <b>0-500 GAL/MIN</b>	OUTPUT: <b>4-20 madc</b>
CAL DATA: <b>Tube Cal # 0984 7059 0960 5005</b>	INST. TYPE: <b>magmeter 8"</b>
SENSOR DATA: <b>0-FE-400001</b> S/N <b>0228878</b>	LOCATION: <b>west of ammonia tank</b>

TEST EQUIPMENT	MODEL	S/N	NIST TEST
Flowtube Simulator	Rosemount 8714D	326886	208626
Multimeter	Fluke 87	29100150	3817432

INPUT		OUTPUT RESULTS		
%	VALUE	DESIRED	AS FOUND	AS LEFT
0	0 Ft/sec	4 madc	4.000	4.000
10	3 Ft/sec	5.6 madc	5.601	5.601
33.3	10 Ft/sec	9.33 madc	9.335	9.335
100	30 Ft/sec	20 madc	20.006	20.006

ISOLATION VALVE POSITION      AS FOUND: **N/A**      AS LEFT: **N/A**

REMARKS: <b>Tube Cal Number 0984705909605005</b>	<b>Calibration Tube Settings 1000015010000000</b>
<b>Units = GAL/MIN</b>	<b>Calibration Units of measure = Ft/S</b>
<b>LRV = 0</b>	<b>Cal Analog Output Range: 20mA = 30.00 ft/sec</b>
<b>URV = 500</b>	<b>Cal Analog Output Zero: 4mA = 0 ft/sec</b>
<b>Freq = 5 HZ</b>	<b>Cal Freq = 5 HZ</b>

Reset to customer configuration

PERFORMED BY	DATE: <b>3/30/2023</b>
VERIFIED BY	DATE: <b>3/30/23</b>

**3D Technical Services, Inc.**  
 Clayton, California  
 (925) 691-5543

## CALIBRATION DATA RECORD

CUSTOMER <b>Clearway Marsh Landing LLC</b>	PROJECT <b>March 2022 Shutdown</b>
INST. I.D. <b>0-FT-950002</b>	MANUF. <b>Rosemount</b>
SERVICE <b>Sanitary and Process Wastewater</b>	
MODEL NO: <b>8732EST2AIN0M4C1Q4</b>	SERIAL NO: <b>337659</b>
INPUT: <b>0-80 GAL/MIN</b>	OUTPUT: <b>4-20 madc</b>
CAL DATA: <b>Tube Cal # 0926 1052 0923 6005</b>	INST. TYPE: <b>magmeter 3"</b>
SENSOR DATA: <b>0-FE-950002</b> <b>S/N 0218078</b>	LOCATION: <b>next to office</b>

TEST EQUIPMENT	MODEL	S/N	NIST TEST
Flowtube Simulator	Rosemount 8714D	326886	208626
Multimeter	Fluke 87	29100150	3817432

INPUT		OUTPUT RESULTS		
%	VALUE	DESIRED	AS FOUND	AS LEFT
0	0 Ft/sec	4 madc	4.000	4.000
10	3 Ft/sec	5.6 madc	5.600	5.600
33.3	10 Ft/sec	9.33 madc	9.334	9.334
100	30 Ft/sec	20 madc	20.002	20.002

ISOLATION VALVE POSITION	AS FOUND: <b>N/A</b>	AS LEFT: <b>N/A</b>
REMARKS: <b>Tube Cal Number 0926105209236005</b>	<b>Calibration Tube Settings 1000015010000000</b>	
<b>Units = GAL/MIN</b>	<b>Calibration Units of measure = Ft/S</b>	
<b>LRV = 0</b>	<b>Cal Analog Output Range: 20mA = 30.00 ft/sec</b>	
<b>URV = 80</b>	<b>Cal Analog Output Zero: 4mA = 0 ft/sec</b>	
<b>Freq = 5 HZ</b>	<b>Cal Freq = 5 HZ</b>	
<b>Reset to customer configuration</b>		

PERFORMED BY <b>D Farley</b>	DATE: <b>3/30/2023</b>
VERIFIED BY	DATE: <b>3/30/23</b>

**3D Technical Services, Inc.**  
**Clayton, California**  
**(925) 691-5543**

Purchase Order: CREDIT CARD

Standard Meter Lab, Inc.

Cert #: 208626



# Certificate of Calibration



Intertek

#US4461c

Customer: 3d Technical Services

Contact: Dan Farley

Address: 2270 Curry Canyon Rd. Clayton, Ca 94517

## Instrument Identification

System ID: 1051933

Serial #: 0326886

Tool #: NA

Property #: NA

Manufacturer: ROSEMOUNT INC.

Model #: 8714D

Range: (4 to 20) mA DC; (0 to 30) ft/s

Description: SIMULATOR, MAGNETIC FLOW METER

## Test Results

Service Performed: Calibration

Service Technician: Keith S Lam

Cal Date: 03/22/2023

Cal. Due Date: 03/22/2024

Location of Cal: In-house

Laboratory: Standard Meter Lab

Address: 236 Rickenbacker Cir, Livermore, CA 94551

As Found Result: In Tolerance

As Left Result: In Tolerance

Environmental Conditions: 68.2 °F / 44.2% RH

Instruction Used: MAN-8714D

## Technical Remarks

### Condition

Received in good condition.

### Analysis

Verified accuracy in accordance with the listed calibration instructions.

## Calibration Standards

I.D.	Manufacturer	Model Number	Description	Cal. Due Date	NIST #
1000069	FLUKE ELECTRONICS	189	MULTIMETER, TRUE RMS, LOGGING	8/3/2023	198207

Calibrations are performed using standards traceable to NIST. Our calibration system complies with ISO/IEC 17025:2017. This information applies only to the instrument identified above and may not be reproduced, except in full, without prior written consent. The presence of the Intertek logo designates our quality management system is certified to ISO 9001:2015. Reported uncertainties are expressed as expanded values at approximately the 95.45% confidence level using a coverage factor of K=2. There is no implied warranty that the instrument will maintain its specified tolerances during the calibration interval due to possible drift, environment or other factors beyond our control.

Approval Person: Diane P Smith

General Manager

Signature: *Diane P Smith*

Date: 03/22/2023

**Measurement Information**

<b>Description</b>	<b>Unit</b>	<b>Nominal</b>	<b>Tolerance -</b>	<b>Tolerance +</b>	<b>As Found</b>	<b>As Left</b>	<b>OT?</b>
500 mA DC Input	mV DC	1.078	1.022	1.133	1.097	1.097	No

End of Report



2900 Main St Alameda CA 94501 Phone (510)522-8326 Fax (510)522-3136

## Certificate of Calibration

**3D TECHNICAL SERVICES**  
**PO BOX 176**  
**CLAYTON**  
**CA 94517**

Customer ID # **4459**

File # **2071**

Instrument Type **MULTIMETER**

Range **ASSTD.**

Units **MILLIVOLT**

Resolution **AS RATED**

Mfg. **FLUKE**

Model **87V**

Cal By **REX EDORA 90807**

Current Cal Cycle (Months) **12**

Previous Cal Cycle **12**

Standards Used **FLUKE 515A S/N 10520 DUE  
06/23/2023 NIST F30406**

Certificate Number: **3817432**

Rated Accuracy **SEE DATA SHEET**

Pass/Fail as Found **PASS**

Pass/Fail as Left **PASS**

1st (Mfg) S/N **29100150**

2nd S/N **N/A**

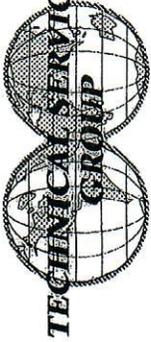
**ISO 17025  
COMPLIANT**

Cal Date **3/3/2023**

Cal Due **3/3/2024**

Notes

**TECHNICAL SERVICES GROUP CERTIFIES THAT THIS INSTRUMENT  
HAS BEEN CALIBRATED TRACEABLE TO THE NATIONAL INSTITUTE  
OF STANDARDS AND TECHNOLOGY AND CONFORMS TO ISO 10012  
AND ANSI/NCSL Z-540, UNLESS OTHERWISE SPECIFIED  
MEASUREMENT UNCERTAINTIES ARE LESS THAN 1/4 OF TOLERANCE  
OR 1 MINOR DIVISION.**



# CALIBRATION DATA SHEET

2900 Main Street (PO Box 250) Alameda, Ca. 94501 Phone 510 522 8326 or Toll Free 800 300 4TSG Fax 510 522 3136

DB #	Customer	TSG Job #	TSG Item #
Instrument Type	Description & Function	1st Serial #	2nd Serial #
Model #	87V	291001SD	
Manufacturer	MULTIMETAL	Calib. Date	Recall Date
Inspected by		3-03-23	3-03-24
Repaired by		Existing Cal. Cycle	Cal Cycle Update
Calibrated by		19K	

1. Reason submitted	Calibration	Repair ( )	Evaluation ( )	Good	Damaged ( )
3. Instrument Received	In Tolerance	Out of Tolerance ( )	Manufacturer's Specification ( )	TSG	
5. Environment	Temperature	Deg. F	Relative Humidity	%	
6. Instrument Returned	In Tolerance	Limited ( )	Repaired ( )	B.E.R. ( )	
8. Parts Used	Part Number / Description	Amount	9. Discrepancy	10. Corrective Action	
Manufacturer	Model #	Serial #	Recall Date		
FUJIK	577A	10520	6-23-23		

Instrument Parameter	Instrument Range	Acceptable Error	Standard Value Applied	Device Under Test Indication	Corrected Indication	Tolerance		Applicable NIST Test Report Numbers
						Initial	Final	
DCV	AC500	±0.1%	100mV	100.0 mV				73046
			1V	1.000 V				
			10V	10.00V				
			100V	100.0V				
			1V	1.001V				
			10V	10.01V				
ACV		1%	100V	100.1V				
Ω		0.5%	1K	1.000KΩ				
DCA		1%	10mA	1.001mA				
			100mA	100.0 mA				

11. Calibration Data  Out of Tolerance Parameter ( ) (Check One)

Determination of Impact / Notes

The Technical Services Group Certifies that this Instrument was Calibrated against Standards Traceable to the National Institute of Standards & Technology, and conforms to ISO 10012-1 & ANSI/NCSLZ 540-1

TSG Calibration Supervisor: *[Signature]*

**Marsh Landing Generating Station  
Annual City Water Usage**

**2014 - 2023 ANNUAL**

Min	Max	Avg
7.1	23.1	12.0

Year	Acre Feet	MONTHLY Acre Feet		
		Min	Max	Avg
2013 - May - Dec	8.5	0.13	2.09	0.58
2014	8.2	0.13	1.51	0.43
2015	8.2	0.13	1.47	0.45
2016	9.0	0.33	1.39	0.75
2017	11.2	0.39	2.17	0.93
2018	9.7	0.03	2.95	0.81
2019	7.1	0.19	1.11	0.60
2020	23.1	0.25	6.51	1.00
2021	19.8	0.28	5.64	1.65
2022	15.5	0.35	5.07	1.29
2023	11.3	0.03	3.05	0.94

# Marsh Landing Generating Station

## Annual Compliance Report

---

### 3.6 VIS-1

#### Current Condition:

The surface treatments of all structures and buildings remain in good condition.

#### Maintenance Activities During the Year 2023:

- Some minor painting in the areas of Safety, Slips, Trips and Falls.

#### Anticipated Maintenance and Activities for 2024:

- Some painting activities are anticipated for 2024 in the areas of Safety, Slips, Trips and Falls.
- Corrosion preventative maintenance and painting in of some buildings (Unit Electrical Packages) and minor touch-up throughout the facility.

To A/P 2-2-23



Pay Online: [www.municipalonlinepayments.com](http://www.municipalonlinepayments.com)

All Offices are open Monday-Friday  
Utility Billing: (925)779-7060  
Public Works: (925)779-6950

**NON-PO  
INVOICE  
for IMMEDIATE  
PAYMENT**

**Vendor: 216928  
Co Code: 2315  
GL: 571040  
WO: 36951221  
Com Code: 20222**

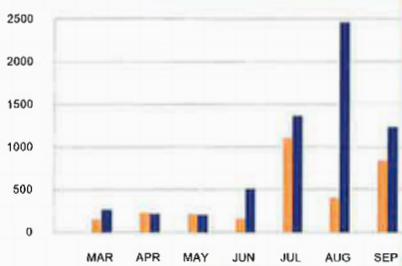
**Requester:  
Sandra Herndon  
Approver: Joe  
Moura**

# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 01/01/23 TO 02/01/23  
BILLING DATE: 02/02/23

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	37698	38121	423

## CURRENT CHARGES

WATER		\$1,878.12
USAGE TIER 1 = 423 Units @ 4.44 / UNIT	\$1,878.12	
3" WATER MAINT FEE		\$305.00
SEWER		\$558.73
BACKFLOW DEVICE		\$34.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$2,315.95
TOTAL PAYMENTS (LAST PAYMENT 01/18/2023)	(\$2,315.95)
CURRENT CHARGES DUE 02/23/2023	\$2,775.95
<b>TOTAL BALANCE</b>	<b>\$2,775.95</b>

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

## SPECIAL MESSAGE

Pay your bill online with no fees.  
Visit <https://www.municipalonlinepayments.com/antiochca>

Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

# Payment Coupon



## ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 01/01/23 TO 02/01/23  
BILLING DATE: 02/02/23

PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

## AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 02/23/2023	\$2,775.95
<b>TOTAL BALANCE</b>	<b>\$2,775.95</b>

## AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO, CA 95798-1476

00401514000000002775950000002914764

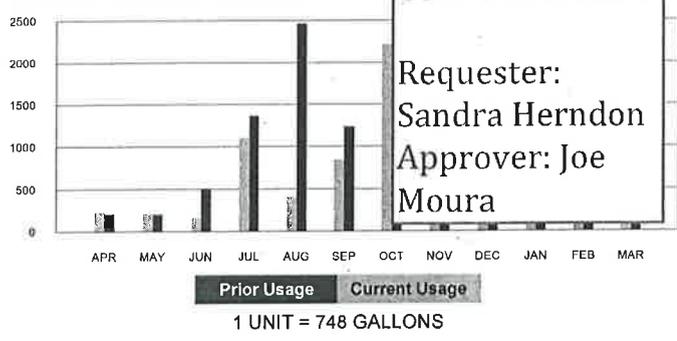
To A/P 3/8/23



NON-PO Invoice  
PAY  
IMMEDIATELY  
Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222

Pay Online: [www.municipalonlinepay.com](http://www.municipalonlinepay.com)  
All Offices are open Monday-Friday  
Utility Billing: (925)779-7066  
Public Works: (925)779-6950

**YOUR MONTHLY USAGE**



Requester:  
Sandra Herndon  
Approver: Joe Moura

**Current Meter Information**

Meter	Service Type	Previous	Current	Consumption
32564	WATER	38121	38444	323

**SPECIAL MESSAGE**

Pay your bill online with no fees.  
Visit <https://www.municipalonlinepayments.com/antiochca>  
Please make sure you are referencing the account number exactly as it appears on this bill.  
Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

Billing  
**Statement**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 02/01/23 TO 03/02/23  
BILLING DATE: 03/07/23

**CURRENT CHARGES**

WATER		\$1,434.12
USAGE TIER 1 = 323 Units @ 4.44 / UNIT	\$1,434.12	
3" WATER MAINT FEE		\$305.00
SEWER		\$427.73
BACKFLOW DEVICE		\$34.10

**AMOUNT NOW DUE**

PREVIOUS BALANCE	\$2,775.95
TOTAL PAYMENTS (LAST PAYMENT 02/14/2023)	(\$2,775.95)
CURRENT CHARGES DUE 03/28/2023	\$2,200.95
<b>TOTAL BALANCE</b>	<b>\$2,200.95</b>

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

**PUBLIC WORKS**

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

Payment  
**Coupon**



**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 02/01/23 TO 03/02/23  
BILLING DATE: 03/07/23

**PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT**

**AMOUNT DUE**

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 03/28/2023	\$2,200.95
<b>TOTAL BALANCE</b>	<b>\$2,200.95</b>

**AMOUNT ENCLOSED**

Empty box for amount enclosed

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



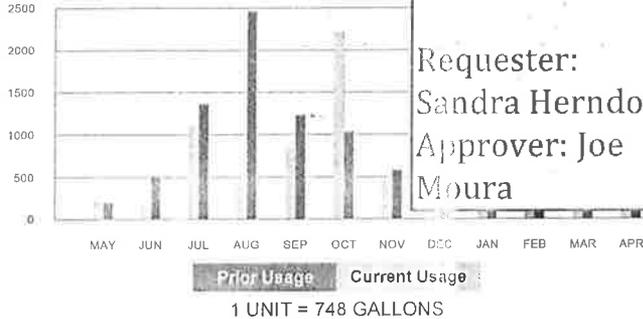
CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO, CA 95798-1476

00401514000000002200950000002311012



Pay Online: [www.municipalonlinepaym](http://www.municipalonlinepaym)  
 All Offices are open Monday-Friday  
 Utility Billing: (925)779-7060  
 Public Works: (925)779-6950

**YOUR MONTHLY USAGE**



**Current Meter Information**

Meter	Service Type	Previous	Current	Consumption
32564	WATER	38444	38805	361

**SPECIAL MESSAGE**

Pay your bill online with no fees.  
 Visit <https://www.municipalonlinepayments.com/antiochca>

Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

NON-PO Invoice  
 PAY  
 IMMEDIATELY

Vendor:216928  
 Co Code:2315  
 GL:571040  
 WO:36951221  
 Com Code:20222

Requester:  
 Sandra Herndon  
 Approver: Joe  
 Moura

Billing  
**Statement**

To A/P 4-5-23

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 03/02/23 TO 04/01/23  
 BILLING DATE: 04/04/23

**CURRENT CHARGES**

WATER \$1,602.84  
 USAGE TIER 1 = 361 Units @ 4.44 / UNIT \$1,602.84  
 3" WATER MAINT FEE \$305.00  
 SEWER \$477.51  
 BACKFLOW DEVICE \$34.10

**AMOUNT NOW DUE**

PREVIOUS BALANCE \$2,200.95  
 TOTAL PAYMENTS (LAST PAYMENT 03/21/2023) (\$2,200.95)  
 CURRENT CHARGES DUE 04/25/2023 \$2,419.45  
**TOTAL BALANCE \$2,419.45**

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

**PUBLIC WORKS**

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

Payment  
**Coupon**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 03/02/23 TO 04/01/23  
 BILLING DATE: 04/04/23



**PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT**

**AMOUNT DUE**

PAST DUE BALANCE \$0.00  
 CURRENT CHARGES DUE 04/25/2023 \$2,419.45  
**TOTAL BALANCE \$2,419.45**

**AMOUNT ENCLOSED**

[Empty box for amount enclosed]

REMIT PAYMENT TO:

Southern Energy Delta LLC  
 Nrg, Energy, Inc  
 PO Box 1687  
 Antioch, CA 94509



CITY OF ANTIOCH  
 PO BOX 981476  
 WEST SACRAMENTO , CA 95798-1476

00401514000000002419450000002540433

To A/P 5-3-23



Pay Online: [www.municipalonlinepaym](http://www.municipalonlinepaym)  
All Offices are open Monday-Friday  
Utility Billing: (925)779-7060  
Public Works: (925)779-6950

**NON-PO Invoice  
PAY  
IMMEDIATELY**  
  
**Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222**

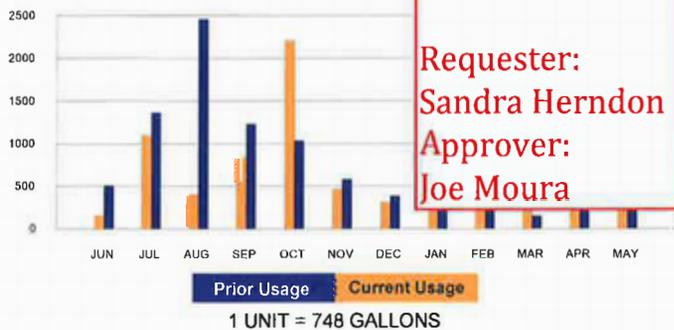
**Requester:  
Sandra Herndon  
Approver:  
Joe Moura**

# Billing Statement

## ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 04/01/23 TO 05/01/23  
BILLING DATE: 05/02/23

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	38805	39289	484

## SPECIAL MESSAGE

Pay your bill online with no fees.  
Visit <https://www.municipalonlinepayments.com/antiochca>

Please make sure you are referencing the account number exactly as it appears on this bill.

Please note, we have a new automated phone number for water payments. The new number is (866)301-8999, this number is available 24/7.

## CURRENT CHARGES

WATER		\$2,148.96
USAGE TIER 1 = 484 Units @ 4.44 / UNIT	\$2,148.96	
3" WATER MAINT FEE		\$305.00
SEWER		\$638.64
BACKFLOW DEVICE		\$34.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$2,419.45
TOTAL PAYMENTS (LAST PAYMENT 04/18/2023)	(\$2,419.45)
CURRENT CHARGES DUE 05/23/2023	\$3,126.70
<b>TOTAL BALANCE</b>	<b>\$3,126.70</b>

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 04/01/23 TO 05/01/23  
BILLING DATE: 05/02/23



### PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

#### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 05/23/2023	\$3,126.70
<b>TOTAL BALANCE</b>	<b>\$3,126.70</b>

#### AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO , CA 95798-1476

00401514000000003126700000003283049

To 4/P 6-7-23

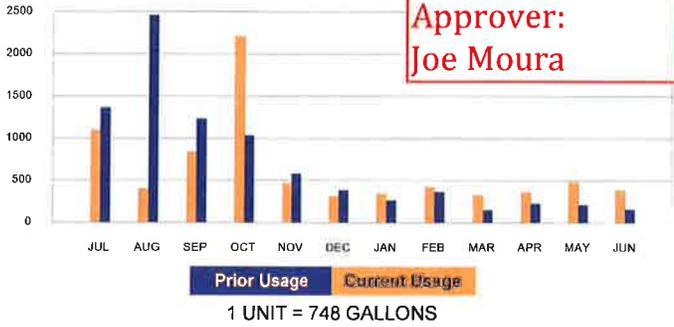


NON-PO Invoice  
IMMEDIATE PAY  
Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222  
Requester:  
Sandra Herndon  
Approver:  
Joe Moura

# Billing Statement

Pay Online: [www.municipalonlinepaym](http://www.municipalonlinepaym)  
All Offices are open Monday-Friday  
Utility Billing: (925)779-7060  
Public Works: (925)779-6950

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	39289	39675	386

## SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

## ACCOUNT INFORMATION

ACCOUNT:	004-01514-00
SERVICE ADDRESS:	3201 Wilbur Ave
SERVICE PERIOD:	05/01/23 TO 06/01/23
BILLING DATE:	06/06/23

## CURRENT CHARGES

WATER		\$1,713.84
USAGE TIER 1 = 386 Units @ 4.44 / UNIT	\$1,713.84	
3" WATER MAINT FEE		\$305.00
SEWER		\$510.26
BACKFLOW DEVICE		\$34.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$3,126.70
TOTAL PAYMENTS (LAST PAYMENT 05/17/2023)	(\$3,126.70)
CURRENT CHARGES DUE 06/27/2023	\$2,563.20
<b>TOTAL BALANCE</b>	<b>\$2,563.20</b>

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

# Payment Coupon

## ACCOUNT INFORMATION

ACCOUNT:	004-01514-00
SERVICE ADDRESS:	3201 Wilbur Ave
SERVICE PERIOD:	05/01/23 TO 06/01/23
BILLING DATE:	06/06/23



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 06/27/2023	\$2,563.20
<b>TOTAL BALANCE</b>	<b>\$2,563.20</b>

### AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509

CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO , CA 95798-1476

00401514000000002563200000002691360



To 4/12 9-7-23

**NON-PO Invoice  
PAY  
IMMEDIATELY**  
  
**Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222  
Requester:  
Sandra Herndon  
Approver: Joe  
Moura**

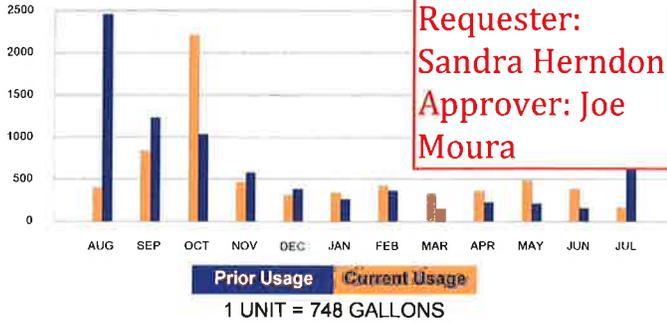
# Billing Statement

Pay Online: [www.municipalonlinepay.com](http://www.municipalonlinepay.com)  
All Offices are open Monday-Friday  
Utility Billing: (925)779-7060  
Public Works: (925)779-6950

## ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 06/01/23 TO 07/01/23  
BILLING DATE: 07/06/23

## YOUR MONTHLY USAGE



## CURRENT CHARGES

WATER		\$741.48
USAGE TIER 1 = 167 Units @ 4.44 / UNIT	\$741.48	
3" WATER MAINT FEE		\$305.00
SEWER		\$223.37
BACKFLOW DEVICE		\$34.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$2,563.20
TOTAL PAYMENTS (LAST PAYMENT 06/21/2023)	(\$2,563.20)
CURRENT CHARGES DUE 07/27/2023	\$1,303.95
<b>TOTAL BALANCE</b>	<b>\$1,303.95</b>

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	39675	39842	167

## SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

# Payment Coupon

## ACCOUNT INFORMATION

ACCOUNT:	004-01514-00
SERVICE ADDRESS:	3201 Wilbur Ave
SERVICE PERIOD:	06/01/23 TO 07/01/23
BILLING DATE:	07/06/23



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 07/27/2023	\$1,303.95
<b>TOTAL BALANCE</b>	<b>\$1,303.95</b>

### AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO, CA 95798-1476

00401514000000001303950000001303958

To A/P 8-4-23



**NON-PO Invoice**

**PAY IMMEDIATELY!**

**Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222**

**Requester:  
Sandra Herndon  
Approver:  
Joe Moura**

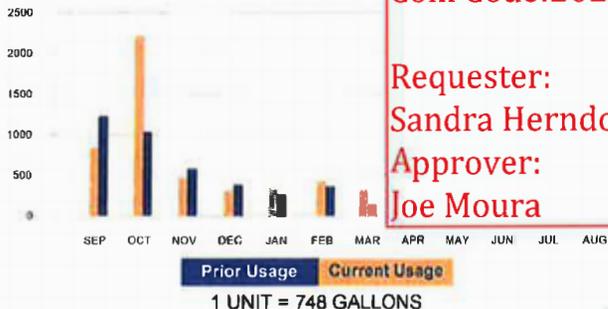
Pay Online: [www.municipalonlinepay.com](http://www.municipalonlinepay.com)

All Offices are open Monday-Friday

Utility Billing: (925)779-7060

Public Works: (925)779-6950

**YOUR MONTHLY USAGE**



**Current Meter Information**

Meter	Service Type	Previous	Current	Consumption
32564	WATER	39842	41172	1330

**SPECIAL MESSAGE**

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

**Billing Statement**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 07/01/23 TO 08/01/23  
 BILLING DATE: 08/03/23

*due 8/24/23*

**CURRENT CHARGES**

WATER		\$5,905.20
USAGE TIER 1 = 1330 Units @ 4.44 / UNIT	\$5,905.20	
3" WATER MAINT FEE		\$305.00
SEWER		\$1,746.90
BACKFLOW DEVICE		\$34.10

**AMOUNT NOW DUE**

PREVIOUS BALANCE	<i>Pa. 7/28</i>	\$1,303.95
TOTAL PAYMENTS		\$0.00
TOTAL PENALTIES		\$65.20
CURRENT CHARGES DUE 08/24/2023		\$7,991.20
<b>TOTAL BALANCE</b>	<i>PS0564E</i>	<b>\$9,360.35</b>

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

**PUBLIC WORKS**

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

**Payment Coupon**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 07/01/23 TO 08/01/23  
 BILLING DATE: 08/03/23



**PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT**

**AMOUNT DUE**

PAST DUE BALANCE	\$1,369.15
CURRENT CHARGES DUE 08/24/2023	\$7,991.20
<b>TOTAL BALANCE</b>	<b>\$9,360.35</b>

**AMOUNT ENCLOSED**

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO , CA 95798-1476

0040151400000009360350000009759927

To HP 9-11-23



**NON-PO Invoice**

**PAY IMMEDIATELY!**

**Vendor:216928  
Co Code: 2315  
GL:571040  
WO:36951221  
Com Code:20222**

**Requester:  
Sandra Herndon  
Approver:  
Joe Moura**

**Billing Statement**

Pay Online: [www.municipalonlinep](http://www.municipalonlinep)

All Offices are open Monday-Friday

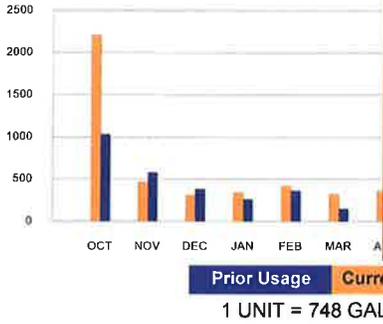
Utility Billing: (925)779-70

Public Works: (925)779-69

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 08/01/23 TO 09/01/23  
BILLING DATE: 09/06/23

**YOUR MONTHLY USAGE**



**CURRENT CHARGES**

WATER		\$4,018.20
USAGE TIER 1 = 905 Units @ 4.44 / UNIT	\$4,018.20	
3" WATER MAINT FEE		\$305.00
SEWER		\$1,190.15
BACKFLOW DEVICE		\$34.10

**AMOUNT NOW DUE**

PREVIOUS BALANCE	\$9,360.35
TOTAL PAYMENTS (LAST PAYMENT 08/18/2023)	(\$9,360.35)
CURRENT CHARGES DUE 09/27/2023	\$5,547.45
<b>TOTAL BALANCE</b>	<b>\$5,547.45</b>

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

**Current Meter Information**

Meter	Service Type	Previous	Current	Consumption
32564	WATER	41172	42077	905

**SPECIAL MESSAGE**

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

**PUBLIC WORKS**

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

**Payment Coupon**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 08/01/23 TO 09/01/23  
BILLING DATE: 09/06/23



**PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT**

**AMOUNT DUE**

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 09/27/2023	\$5,547.45
<b>TOTAL BALANCE</b>	<b>\$5,547.45</b>

**AMOUNT ENCLOSED**

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO , CA 95798-1476

004015140000000554745000005547458



To A/P 10-4-23

NON-PO INVOICE  
PAY  
IMMEDIATELY!

# Billing Statement

Pay Online: [www.municipalonlinepay.com](http://www.municipalonlinepay.com)

All Offices are open Monday-Friday  
Utility Billing: (925)779-7060  
Public Works: (925)779-6950

Vendor:216928  
Co Code:2315  
GL:571040  
WO:36951221  
Com Code:20222

Requester:  
Sandra Herndon  
Approver:  
Joe Moura

## ACCOUNT INFORMATION

ACCOUNT: 004-01514-00  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 09/01/23 TO 10/03/23  
BILLING DATE: 10/04/23

## YOUR MONTHLY USAGE



Prior Usage Current Usage

1 UNIT = 748 GALLONS

## CURRENT CHARGES

WATER		\$53.28	\$53.28
USAGE TIER 1 = 12 Units @ 4.44 / UNIT			
3" WATER MAINT FEE			\$325.30
SEWER			\$20.60
BACKFLOW DEVICE			\$36.30

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$5,547.45
TOTAL PAYMENTS (LAST PAYMENT 09/20/2023)	(\$5,547.45)
CURRENT CHARGES DUE 10/25/2023	\$435.61
<b>TOTAL BALANCE</b>	<b>\$435.61</b>

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	42077	42089	12

## SPECIAL MESSAGE

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

# Payment Coupon

## ACCOUNT INFORMATION

ACCOUNT:	004-01514-00
SERVICE ADDRESS:	3201 Wilbur Ave
SERVICE PERIOD:	09/01/23 TO 10/03/23
BILLING DATE:	10/04/23



PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

## AMOUNT DUE

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 10/25/2023	\$435.61
<b>TOTAL BALANCE</b>	<b>\$435.61</b>

## AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg. Energy, Inc  
PO Box 1687  
Antioch, CA 94509

CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO, CA 95798-1476

0040151400000000435610000000435612



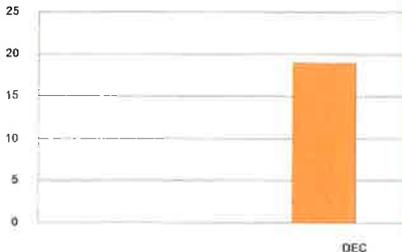
Pay Online: [www.municipalonlinepay.com](http://www.municipalonlinepay.com)  
 All Offices are open Monday-Friday  
 Utility Billing: (925)779-7060  
 Public Works: (925)779-6950

**NON-PO Invoice  
 PAY  
 IMMEDIATELY!**

**Vendor:216928  
 Co Code:2315  
 GL:571040  
 WO:36951221  
 Com Code:20222**

**Requester:  
 Sandra Herndon  
 Approver:  
 Joe Moura**

**YOUR MONTHLY USAGE**



1 UNIT = 748 GALLONS

**Current Meter Information**

Meter	Service Type	Previous	Current	Consumption
32564	WATER	43628	43647	19

**SPECIAL MESSAGE**

Having trouble paying your water bill? You may qualify for assistance. Please call 925-267-6624 or visit [csbheap@ehsd.cccounty.us](mailto:csbheap@ehsd.cccounty.us) for more information.

**Billing  
 Statement**

To A/P 12-5-23

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-03  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 11/22/23 TO 12/01/23  
 BILLING DATE: 12/04/23

**CURRENT CHARGES**

WATER		\$84.36
USAGE TIER 1 = 19 Units @ 4.44 / UNIT	\$84.36	
3" WATER MAINT FEE		\$40.67
SEWER		\$25.50
BACKFLOW DEVICE		\$4.55
NEW WATER ACCT SETUP		\$30.00

**AMOUNT NOW DUE**

PREVIOUS BALANCE	\$0.00
TOTAL PAYMENTS	\$0.00
CURRENT CHARGES DUE 12/27/2023	\$185.08
<b>TOTAL BALANCE</b>	<b>\$185.08</b>

*PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.*

**PUBLIC WORKS**

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

**Payment  
 Coupon**

**ACCOUNT INFORMATION**

ACCOUNT: 004-01514-03  
 SERVICE ADDRESS: 3201 Wilbur Ave  
 SERVICE PERIOD: 11/22/23 TO 12/01/23  
 BILLING DATE: 12/04/23



**PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT**

**AMOUNT DUE**

PAST DUE BALANCE	\$0.00
CURRENT CHARGES DUE 12/27/2023	\$185.08
<b>TOTAL BALANCE</b>	<b>\$185.08</b>

**AMOUNT ENCLOSED**

**REMIT PAYMENT TO:**

Southern Energy Delta LLC  
 Nrg, Energy, Inc  
 PO Box 1687  
 Antioch, CA 94509



CITY OF ANTIOCH  
 PO BOX 981476  
 WEST SACRAMENTO , CA 95798-1476

00401514030000000185080000000192847



# Billing Statement

Pay Online: [www.municipalonlinepayments.com/antiochca](http://www.municipalonlinepayments.com/antiochca)

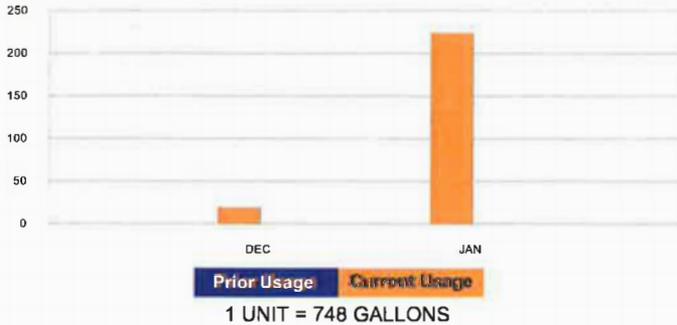
All Offices are open Monday-Friday

Utility Billing: (925)779-7060 8:00 A.M.-5:00 P.M.  
Public Works: (925)779-6950 7:00 A.M.-4:00 P.M.

## ACCOUNT INFORMATION

ACCOUNT: 004-01514-03  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 12/01/23 TO 01/01/24  
BILLING DATE: 01/04/24

## YOUR MONTHLY USAGE



## Current Meter Information

Meter	Service Type	Previous	Current	Consumption
32564	WATER	43647	43871	224

## SPECIAL MESSAGE

Would you like to receive your water bill electronically? If so, please visit [www.antiochca.gov](http://www.antiochca.gov) to enroll in E-billing. You can also enroll in our autopay program using your debit or credit card.

## CURRENT CHARGES

WATER		\$994.56
USAGE TIER 1 = 224 Units @ 4.44 / UNIT	\$994.56	
3" WATER MAINT FEE		\$305.00
SEWER		\$298.04
BACKFLOW DEVICE		\$34.10

## AMOUNT NOW DUE

PREVIOUS BALANCE	\$185.08
TOTAL PAYMENTS	\$0.00
TOTAL PENALTIES	\$7.76
CURRENT CHARGES DUE 01/25/2024	\$1,631.70
<b>TOTAL BALANCE</b>	<b>\$1,824.54</b>

PAYMENT IS NOW DUE. IF NOT PAID BY THE DATE LISTED ABOVE, A 5% LATE CHARGE WILL BE ADDED AND YOUR SERVICE MAY BE INTERRUPTED. THERE IS A NIGHT DEPOSITORY FOR YOUR CONVENIENCE. FAILURE TO RECEIVE A BILL OR PAYMENTS DELAYED IN THE MAIL DOES NOT VOID A LATE CHARGE.

## PUBLIC WORKS

For sewer problems, water leaks, potholes and street lights, call Public Works at (925) 779-6950 or email [publicworks@antioch.gov](mailto:publicworks@antioch.gov). For emergencies after hours, on weekends or holidays call Police dispatch at (925) 778-2441.

## Payment Coupon

### ACCOUNT INFORMATION

ACCOUNT: 004-01514-03  
SERVICE ADDRESS: 3201 Wilbur Ave  
SERVICE PERIOD: 12/01/23 TO 01/01/24  
BILLING DATE: 01/04/24



## PLEASE RETURN THIS PORTION ALONG WITH YOUR PAYMENT

### AMOUNT DUE

PAST DUE BALANCE	\$192.84
CURRENT CHARGES DUE 01/25/2024	\$1,631.70
<b>TOTAL BALANCE</b>	<b>\$1,824.54</b>

### AMOUNT ENCLOSED

REMIT PAYMENT TO:

Southern Energy Delta LLC  
Nrg, Energy, Inc  
PO Box 1687  
Antioch, CA 94509



CITY OF ANTIOCH  
PO BOX 981476  
WEST SACRAMENTO, CA 95798-1476

00401514030000001824540000001906138

## **Marsh Landing Generating Station**

### **Annual Compliance Report**

---

#### **3.7 VIS-2**

Landscaping Maintenance is performed by a contractor on an as needed basis. This usually occurs 2-4 times per year depending on the growth rate and the necessity to removal of combustible materials from the site. In 2023 we continued periodic weed abatement activities.

Late in 2023 trees (18) and bushes that had died in the green belt were removed in preparation for replanting in January of 2024 during the wettest portion of the rainy season.

Sprinkler repairs were performed to maintain the irrigations system.

Erosion repair was performed in areas where sprinkler piping had broken and flushed top soils to lower elevations.

## **Marsh Landing Generating Station**

### **Annual Compliance Report**

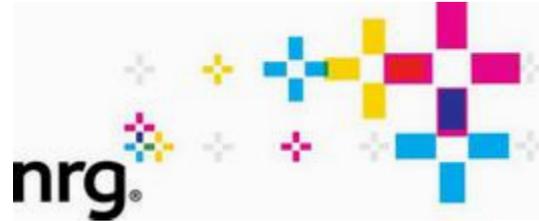
---

#### **3.8 WASTE-7**

The Operation Waste Management Plan has been revised and is included. (See Plan Review and Change Log for a description of changes.)

The actual weight of Hazardous and Universal wastes generated during the report period of 2023 was 3.77 tons. (Based on Waste Manifests for 2023.) The majority of the waste this year was batteries followed by used oil. 78.9% of the hazardous waste generated in 2023 were eventually reclaimed through recycling processes.

# **Marsh Landing LLC**



## **Operation Waste Management Plan**

**Marsh Landing Generating Station  
Antioch, California**

**Revision 10  
January 2024**



SITE MANAGER REVIEW

The Operation Waste Management Plan for Marsh Landing Generating Station has been reviewed by the Plant Manager.

Signature

Joseph Moura

Name

Joseph Moura

Title

Plant Manager

Date

1/17/2024

ENVIRONMENTAL PERSONNEL REVIEW

The Operation Waste Management Plan for Marsh Landing Generating Station has been reviewed by the Facility Environmental Specialist/Engineer.

Signature

David Frandsen

Name

David Frandsen

Title

Environmental Specialist/Engineer

Date

Jan. 17, 2024

## Table of Contents

<b>1.0 INTRODUCTION .....</b>	<b>1</b>
<b>2.0 SITE DESCRIPTION.....</b>	<b>3</b>
2.1 Site Location and Description .....	3
2.2 Waste Generation Overview.....	3
<b>3.0 WASTE STREAM DESCRIPTION AND CHARACTERIZATION .....</b>	<b>4</b>
3.1 Waste Generation .....	4
3.2 Waste Characterization .....	6
<b>4.0 ON-SITE WASTE MANAGEMENT .....</b>	<b>8</b>
4.1 Waste Containment and Storage.....	8
<b>5.0 OFF-SITE WASTE DISPOSAL .....</b>	<b>11</b>
5.1 Waste Transportation and Disposal Facility Selection and Use.....	11
<b>6.0 WASTE MANAGEMENT SYSTEM.....</b>	<b>14</b>
6.1 Waste Management Procedures and Best Management Practices.....	14
6.2 Recordkeeping .....	14
6.3 Waste Minimization and Reduction .....	15
6.4 Facility Waste Management During Unplanned or Temporary Closure .....	15
6.5 Facility Wastes Management and Disposal upon Closure of the Facility .....	17

## List of Figures

Figure 1 Site Vicinity Map

Figure 2 Hazardous Waste Storage and Accumulation Areas

## List of Tables

Table 1 Waste Stream Summary

Table 2 Waste Characterization Method Summary

Table 3 Waste Containment and Storage Summary

Table 4 Waste Transportation and Disposal Vendors



## **Appendix**

Appendix 1 EPA ID Numbers for Marsh Landing

## PLAN REVIEW AND CHANGE LOG

Revision No.	Revision Date	Reviewed/ Revised By	Description of Change	Revised Pages
0	March 2013	D. Griffin	Original Plan	NA
1	March 2016	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Revised cover page and added a Review and Change Log.</li> <li>• Revised text to indicate plant being in the operational phase including text revisions to the present tense in lieu of future tense.</li> </ul>	Throughout
2	November 2016	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Updated excerpts from the NRG Energy, Inc. Environmental Policy and Procedures Manual, links in Section 3.2, and on-site wastewater treatment description in Section 4.1.</li> <li>• Updated Tables 1 and 3 with typical wastes generated and made consistent.</li> <li>• Added Regional Environmental Manager/Director review, site vicinity map, and List of Tables.</li> </ul>	Throughout
3	January 2017	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Combined Section 2.1 and 2.2, describing the facility and location.</li> <li>• Updated on-site wastewater treatment description in Section 4.1.</li> <li>• Revised Section 6.5 to reference the Compliance Conditions for Facility Closure Plan for closure requirements.</li> <li>• Minor formatting.</li> </ul>	Throughout
4	January 2018	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Updated Plant Management.</li> <li>• Remove reference to the Industrial General Permit for storm water discharges.</li> <li>• Added waste ethylene and propylene glycol solutions to wastes generated.</li> <li>• Updated Table 1 with 2017 waste generation.</li> </ul>	Throughout

Revision No.	Revision Date	Reviewed/ Revised By	Description of Change	Revised Pages
5	January 2019	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Updated Plant Management.</li> <li>• Administrative Corrections.</li> </ul>	Throughout
6	January 2020	D. Frandsen	Reviewed and revised the Plan as Follows: <ul style="list-style-type: none"> <li>• Added Destination of Ramos Environmental Services for oil and water pickups in Table 4.</li> <li>• Added Appendix 1 EPA ID numbers.</li> </ul>	Page 11 Appendix 1
7	January 2021	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Updated excerpts from Condition of Certification WASTE-7 and the NRG Energy, Inc. Environmental Manual to be consistent with current policies including Plan review frequency</li> <li>• Removed Regional Environmental Manager/Director review no longer required by the Environmental Manual</li> <li>• Removed acids from the list of water treatment chemicals no longer on-site</li> <li>• Added Environmental Logistics, Inc. and Hazmat TSDF, Inc. for the transportation and disposal of natural gas filters</li> <li>• Updated years remaining in original planned operational life of the facility</li> </ul>	Throughout
8	January 2022	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Added a description of the Battery Energy Storage System installed in 2021.</li> <li>• Added soybean dielectric fluid and lithium-ion batteries waste streams</li> <li>• Removed separate paint wastes listings in Tables 1 and 3 since paint wastes are include in waste maintenance chemicals</li> <li>• Updated Table 1 with 2021 waste generation.</li> <li>• Updated years remaining in original planned operational life of the facility.</li> </ul>	Sections 2 through 4 and 6.5

Revision No.	Revision Date	Reviewed/ Revised By	Description of Change	Revised Pages
9	January 2023	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Added a note in the site description regarding the current status of the BESS project.</li> <li>• Updated Tables 1 and 4 with 2022 waste generation.</li> <li>• Updated years remaining in original planned operational life of the facility.</li> </ul>	Sections 2, 3, 5 and 6.5
10	January 2024	D. Frandsen	Reviewed and revised the Plan as follows: <ul style="list-style-type: none"> <li>• Updated the status of the commissioned BESS project in the site description.</li> <li>• Updated description of CCGS.</li> <li>• Updated Tables 1, 3, and 4 with 2023 waste generation.</li> <li>• Removed separate listings for drained used oil filters and lithium ion batteries in Tables 1 and 3 since they are include in oily debris and universal wastes, respectively.</li> <li>• Removed separate listing for waste ethylene and propylene glycol solutions in Table 3 since they are include in waste maintenance chemicals.</li> <li>• Updated years remaining in original planned operational life of the facility.</li> </ul>	Sections 2.1, 3, 4, 5 and 6.5

## 1.0 INTRODUCTION

This Operation Waste Management Plan (OWMP) provides guidance for the identification and management of wastes which are likely to be generated during the operational phase of the Marsh Landing Generating Station (MLGS) in Antioch, California (Figure 1). This plan complies with Condition of Certification WASTE-7 issued by the California Energy Commission in Commission Decision 08-AFC-03 for MLGS, which states the following:

*The project owner shall prepare an Operation Waste Management Plan for all wastes generated during operation of the facility and shall submit the plan to the CPM for review and approval. The plan shall contain, at a minimum, the following:*

- 1. A detailed description of all operation and maintenance waste streams, including projections of amounts to be generated, frequency of generation, and waste hazard classifications;*
- 2. Management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans;*
- 3. Information and summary records of conversations with the Contra Costa County Health Services Department (the local Certified Unified Program Agency) and DTSC regarding any waste management requirements necessary for project activities. Copies of all required waste management permits, notices, and/or authorizations shall be included in the plan and updated as necessary;*
- 4. A detailed description of how facility wastes will be managed, and any contingency plans to be employed, in the event of an unplanned closure or planned temporary facility closure; and*
- 5. A detailed description of how facility wastes will be managed and disposed of upon closure of the facility.*

The document is intended to satisfy this requirement; the requirements in the NRG Energy, Inc. Environmental Manual for Waste Minimization/Pollution Prevention Plan; and to serve as a guide to facility personnel. The OWMP identifies but does not address in detail wastes which are discharged in accordance with a federal, state or local permit or authorization on either an intermittent or ongoing basis. These include air emissions, wastewater discharged under a site-specific permit, water produced from dewatering, or other wastes discharged in accordance with state- or locally-issued Waste Discharge Requirements.

In accordance with the NRG Energy, Inc. policy provided in the Environmental Manual, this Plan will be reviewed, updated as necessary, and approved at least every other year by the Facility Manager or his/her designee. In accordance with the Condition of Certification WASTE-7, Plant management will document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year;



provide a comparison of the actual waste generation and management methods used to those proposed in the original OWMP; and update the OWMP as necessary to address current waste generation and management practices

## **2.0 SITE DESCRIPTION**

### **2.1 Site Location and Description**

The Marsh Landing Generating Station (MLGS) is an electrical generating facility located at 3201C Wilbur Avenue, Antioch, California (Figure 1). MLGS was substantially completed in April 2013, with commercial operations commencing May 1, 2013.

MLGS is located adjacent to the Contra Costa Generating Station (CCGS), a retired steam electric generating plant that stores and repairs shipping containers. The site is bordered by industrial uses, including Pacific Gas and Electric Company (PG&E) operational areas and a PG&E switchyard. The main industrial process consists of four natural gas-fired, simple-cycle (“peaker”) electric generating units with a combined generating capacity of 760 megawatts.

In 2021 equipment was installed to allow Units 3 & 4 to become black start capable. Equipment includes transformers, inverters, and Fluence Gen6 Cubes containing lithium-ion battery systems and is known as the Battery Energy Storage System (BESS). The BESS project was commissioned in May 2023.

### **2.2 Waste Generation Overview**

Typical of electrical generating facilities, MLGS uses a variety of hazardous materials, including natural gas, diesel fuel, batteries, thinners, paints, oils and fluids (lubricating, mineral, hydraulic, and soybean dielectric fluid), aqueous ammonia, cleaners and detergents, ethylene and propylene glycols, transmission fluid, and water treatment chemicals (sodium hypochlorite, polymers, sodium bisulfite, etc.) among others, in a variety of processes and equipment. Buildings and structures may also contain materials such as lead-based paint. No asbestos or PCBs wastes are expected to occur at the site.

The following sections summarize the individual waste streams associated with plant operations and procedures for waste characterization, handling, and disposal.

### 3.0 WASTE STREAM DESCRIPTION AND CHARACTERIZATION

#### 3.1 Waste Generation

Typical wastes generated during ongoing operations of power generation are summarized in Table 1 below. Other wastes not listed may be generated from time to time. Projected amounts are estimates and will vary from year to year.

<b>Table 1 Waste Stream Summary Marsh Landing Generating Station</b>			
<b>Waste</b>	<b>Frequency</b>	<b>Projected Average Amount</b>	<b>Hazards/Classification</b>
Uncontaminated concrete or asphalt	Infrequently	None expected	None/ non-hazardous inert debris
Contaminated concrete or asphalt	Infrequently	None expected	Oils, metals/ hazardous, non-RCRA hazardous, or non-hazardous
Miscellaneous uncontaminated structural and building materials (e.g., brick, stone, glass, non-asbestos insulation, gypsum wallboard)	Infrequently	None expected	None/ non-hazardous inert debris
Scrap metal (e.g., equipment, machinery, piping, potable or service water tanks and piping)	Infrequently	Only as needed	Minor amounts of oil and grease/excluded scrap metal
Vegetative material	Infrequently	As needed from landscaping activities	None/non-hazardous green waste
Uncontaminated soil	Infrequently	None expected	None/ non-hazardous inert debris
Contaminated soil or debris	Infrequently	None expected	Oils, metals, organics, etc./hazardous, non-RCRA hazardous, or non-hazardous
Oily water and oil-water separator sludge	Infrequently	2,000 gallons / event	Oil, metals/hazardous or non-RCRA hazardous
Waste fuel (diesel, gasoline)	Infrequently	None expected	Hydrocarbons, flammable VOCs/hazardous
Waste oils and fluids (e.g., lubricating fuel, hydraulic, mineral, soybean dielectric fluid, etc.) and oily debris including drained used oil filters	Frequently, with larger amounts infrequently	500 pounds / month	Oil/ non-RCRA hazardous
Universal wastes (fluorescent light tubes, compact fluorescent light bulbs, HID lamps, batteries, mercury-containing devices,	Frequently	500 pounds / year	Mercury, metals/hazardous (universal waste)

<b>Table 1</b> <b>Waste Stream Summary</b> <b>Marsh Landing Generating Station</b>			
<b>Waste</b>	<b>Frequency</b>	<b>Projected Average Amount</b>	<b>Hazards/Classification</b>
electronic wastes, aerosol cans, lithium-ion batteries)			
Waste maintenance chemicals (greases, paints including paint-related debris, adhesives, solvents, ethylene and propylene glycol solutions, etc.)	Frequently	80 pounds / year	Metals, flammable VOCs, hydrocarbons, corrosives/hazardous
Empty containers ≤ 5 gallons	Frequently	30 pounds / year	Residual chemicals /empty container (see "Managing Empty Containers" by DTSC)
Empty containers > 5 gallons	Frequently	200 pounds / year	Residual chemicals/ empty container (see "Managing Empty Containers" by DTSC)
Waste/spent corrosives	Infrequently	Minimal	Corrosive/hazardous
Ammonia waste	Infrequently	Minimal	Corrosive/hazardous
Laboratory waste	Frequently	8 gallons / year	Metals, acids, corrosives/hazardous
Waste natural gas liquids	Continuously	Minimal	Flammable VOCs/hazardous
Lead-acid batteries	Infrequently	Only as needed	Lead, corrosive/excluded or hazardous
Wood waste	Infrequently	None expected, as needed	None/ non-hazardous wood waste
Municipal refuse and garbage	Continuously	Continuous generation and disposal as needed	None/ non-hazardous municipal refuse
Sanitary wastewater	Continuously	<21 gallons / minute	Fecal coliform, nitrates, BOD/sanitary waste
Industrial wastewater	Continuously	<21 gallons / minute	Oil, metals/non-hazardous
Turbine cleaning wash water	Infrequently	2,000 gallons / event	Oil, detergents/non-hazardous
Decontamination wastewater (e.g., tank and sump emptying and cleaning)	Infrequently	None expected	Oil/non-RCRA hazardous or non-hazardous
Water from groundwater intrusion/dewatering	Infrequently	None expected	None/non-hazardous
CO and NOx catalyst	Very infrequently	18 to 19 tons every 15 to 20 years	Metals/hazardous
Waste CFCs	Infrequently	None expected	Ozone depleting/hazardous
Used natural gas filters	Frequently	500 pounds / year	Organics/ non-RCRA hazardous

Note: Storm water is not a waste.

### 3.2 Waste Characterization

Waste characterization is performed on each waste stream to determine the appropriate management method. Wastes generally fall into one of the following categories:

- Inert soil or debris for disposal
- Inert soil or debris for on-site re-use
- Municipal refuse
- Green waste and wood waste
- Non-hazardous industrial waste
- Non-RCRA hazardous and universal wastes (California-only)
- RCRA hazardous waste, including universal wastes

Waste classification will be performed in accordance with the following guidance:

- California Code of Regulations (CCR) Title 22, Division 4.5, Chapter 11 - Identification and Listing of Hazardous Waste.
- *Defining Hazardous Waste*, guidance from California Environmental Protection Agency, Department of Toxic Substances Control available at <https://www.dtsc.ca.gov/HazardousWaste/>.
- *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW-846)* published by the USEPA Office of Solid Waste and available at <https://www.epa.gov/hw-sw846>.

The waste characterization process will begin with compiling generator knowledge regarding the waste. This can include information from the operational history of the site and waste production area; waste process knowledge; Safety Data Sheet (SDS) information; results of previous waste characterization and testing; and general knowledge regarding the nature of power generation facility waste streams. For most wastes, sufficient generator knowledge is expected to be available to allow appropriate waste classification.

Where generator knowledge is insufficient to adequately characterize the waste, physical or chemical testing of a waste may be needed. If testing is necessary, an appropriate number of samples will be collected using the appropriate sampling method in accordance with the guidance materials referenced above. Testing will be performed in accordance with the appropriate method specified in Table 2. These methods are consistent with the guidance documents above. All waste analyses will be performed by analytical laboratories certified through the California Department of Health Services Environmental Laboratory Accreditation Program.

In some cases, additional testing may be performed on wastes in order to satisfy profiling requirements for specific potential off-site disposal facilities, depending on their individual operating permit requirements, local ordinances, and internal policies and procedures.

Liquid wastes which will be discharged under a site-specific permit or authorization, or state-wide or region-wide general permit, will be characterized as required under that permit. In most cases, monitoring and sampling is performed at the discharge point and is subject to both specified discharge limitations and periodic reporting requirements.

<b>Table 2</b>	
<b>Waste Characterization Method Summary</b>	
<b>Marsh Landing Generating Station</b>	
<b>Analyte/Characteristic</b>	<b>Analytical Method</b>
Title 22 Metals	EPA Method 6010, 6020, 7471A/7471B
PCBs	EPA Method 8082
Chromium (VI)	EPA Method 7196A/7199
pH	EPA Method 9045C
TPH-diesel, motor oil, lube oil	EPA Method 8015B
TPH-gasoline	EPA Method 8015B
VOCs	EPA Method 8260B
SVOCs	EPA Method 8270C or 8310
Cyanide (total)	EPA Method 335.2 or 9012A
Flash Point	EPA Method 1010
Corrosivity	EPA Method 9040
Toxicity versus federal RL criteria listed at 22 CCR 66261.24(a)(1)	EPA Test Method 1311 (Toxicity Characteristic Leaching Procedure)
Toxicity versus California STLC criteria listed at 22 CCR 66261.24(a)(2)	Waste Extraction Test, Appendix II, Title 22, Division 4.5, Chapter 11
Acute Aquatic Toxicity versus California criteria 22 CCR 66261.24(a)(6)	Static Acute Bioassay Procedures for Hazardous Waste Samples," California Department of Fish and Game, Water Pollution Control Laboratory, revised November 1988

## 4.0 ON-SITE WASTE MANAGEMENT

### 4.1 Waste Containment and Storage

Once a waste is generated, a specific on-site management method will be followed in accordance with the waste's known and suspected hazards. Table 3 provides information on waste containment and storage for most of the identified waste streams. See Figure 2 for hazardous waste storage and accumulation areas. The sections following provide specific information on several of the waste streams.

<b>Table 3</b> <b>Waste Containment and Storage Summary</b> <b>Marsh Landing Generating Station</b>		
<b>Waste</b>	<b>Storage and Containment</b>	<b>Storage Time Limits</b>
Uncontaminated concrete or asphalt	Pile storage, roll off bins, site-wide	None
Contaminated concrete or asphalt	Covered roll-off bins, site-wide	90 Days
Miscellaneous uncontaminated structural and building materials	Pile storage, roll off bins, site-wide	None
Scrap metal	Roll-off bins, site-wide	None
Vegetative material	Roll-off bins, site wide	None
Uncontaminated soil	Pile storage, site wide	None
Contaminated soil or debris	Covered roll-off bins, site-wide; 55-gallon drums, designated hazardous waste storage areas	90 days
Oily water and oil-water separator sludge	Temporary tanks with secondary containment if not collected directly into transport vehicle (e.g., vacuum truck), 55-gallon drums, designated hazardous waste storage areas	90 days
Lead-based paint debris	Double (4-mil) or single (6-mil) bagged and placed in 55-gallon drums, designated hazardous waste storage areas	90 days
Waste fuel (diesel, gasoline)	55-gallon drums, designated hazardous waste storage areas	90 days
Waste oils and fluids and oily debris	55-gallon drums, designated hazardous waste storage areas	90 days
Universal wastes	Boxes, fiber containers, buckets, 55-gallon drums, plastic containers, and pallets, designated hazardous waste storage areas	One year
Waste maintenance chemicals	55-gallon drums and plastic containers, designated hazardous waste storage areas	90 days
Empty containers ≤ 5 gallons	Roll-off bins, site wide	None
Empty containers > 5 gallons	Designated empty drum storage areas, drums will be labeled "Empty"	One year

<b>Table 3</b> <b>Waste Containment and Storage Summary</b> <b>Marsh Landing Generating Station</b>		
<b>Waste</b>	<b>Storage and Containment</b>	<b>Storage Time Limits</b>
Waste/spent corrosives, ammonia waste, laboratory waste	Poly drums and containers, designated hazardous waste storage areas	90 days
Waste natural gas liquids	Temporary tanks with secondary containment if not collected directly into transport vehicle (e.g., vacuum truck), 55-gallon drums, designated hazardous waste storage areas	90 days
Lead-acid batteries	Plastic containers, pallets, designated hazardous waste storage areas	90 days
Wood waste	Roll-off bins, site-wide	None
Municipal refuse and garbage	Covered roll-off bins, trash cans, and dumpsters, site-wide	None
Sanitary wastewater	Sanitary waste collection sump and temporary storage facilities (e.g., hand-wash and portable facilities)	NA
Industrial wastewater	On-site storage tanks	NA
Turbine cleaning wash water	Double-walled underground storage tanks until removed by vacuum truck, combustion turbine drain tanks	None
Decontamination wastewater	Temporary tanks with secondary containment if not collected directly into transport vehicle (e.g., vacuum truck), 55-gallon drums, designated hazardous waste storage areas	Depends on hazards/ classification
Water from groundwater intrusion/dewatering	Temporary storage tanks, site-wide	None
CO and NOx catalyst	Roll-off bins, site-wide	90 days
Waste CFCs	Approved recovery containers, designated hazardous waste storage areas if not collected and removed immediately from site	90 days
Used natural gas filters	Boxes, fiber containers, designated hazardous waste storage areas	90 days

In addition to the above, all waste activities will be in accordance with the following regulatory requirements:

- CCR Title 22, Division 4.5, Chapter 12 – Standards Applicable to Generators of Hazardous Waste.
- Industrial Wastewater Permit issued by Delta Diablo.
- Air emissions permit and regulations, including Bay Area Air Quality Management District (BAAQMD) regulations for Fugitive Dust, Particulate Matter, Volatile Organic Emissions from Decontamination of Soil and Asbestos Emissions from Demolition/Renovation Activities, as applicable.
- MLGS Spill Prevention, Control, and Countermeasures Plan.
- MLGS Hazardous Materials Business Plan.

Hazardous waste accumulation areas are established and operated in accordance with CCR Title 22, Division 4.5, Chapter 12. Only short-term or limited-quantity storage of hazardous waste containers may occur outside of these designated areas.

## On-Site Waste Processing and Treatment

At this time the only on-site waste processing activities and treatment are described below:

### On-Site Wastewater Treatment

Wastewater from the evaporative cooler operations, floor drains and equipment area drains with the potential to be contaminated by oil are collected and passed through an oil-water separator and pumped to a 200,000 gallon wastewater storage tank. Water treatment area wastes are also pumped to the wastewater storage tank. Stored wastewater is later discharged, along with sanitary wastes, in accordance with the facility's industrial wastewater discharge permit issued by Delta Diablo.

In addition, the facility has a bioretention facility that detains and treats storm water. Storm water is detained and treated in the surface reservoir, filtered through plants and a biologically active soil mix, and then it infiltrates into the ground. The bioretention facility contains underdrains as a preventive measure against poor drainage. Underdrains are routed to an outlet that is valved and connects to CCGS's discharge tunnel to the River. The valve is kept closed and discharges to the River will only occur if the infiltration is inadequate to keep appropriate freeboard in the reservoir.

## **5.0 OFF-SITE WASTE DISPOSAL**

### **5.1 Waste Transportation and Disposal Facility Selection and Use**

All wastes will be transported from the site to the disposal, recycling or processing facility by appropriately licensed transporters and disposed of at licensed facilities. In addition, MLGS is subject to the NRG Energy, Inc. Environmental Policy and Procedures. Section 1.3. of NRG's Environmental Policy and Procedures Manual states the following:

#### **1.3.2. Waste Disposal Contracts**

*Written contracts/purchase orders must be used when procuring services from suppliers for disposal and/or treatment of Facility wastes.*

#### **1.3.3. Waste Disposal Supplier Review, Selection & Contracting/Purchasing Details**

*NRG may not use the services of a waste disposal contractor without confirming:*

- 1) the vendor company and its facility(ies) are properly licensed;*
- 2) waste documentation is available as required by the vendor and/or Regulator, including:
  - a. a current waste profile (characterization) for the Facility waste stream the vendor will handle and the destination of each such waste; and*
  - b. a properly completed manifest that complies with applicable law.**
- 3) for Hazardous, Universal, Industrial/Special Wastes or materials to be recycled such as electronic equipment, batteries, lamps and mercury containing devices, an NRG representative, contracted auditor or Regulator has visited and audited the disposal/recycling site specified within the previous five years, and the audit report has been reviewed and approved by Environmental Compliance. For Non-Hazardous waste (such as general trash) and general household recycling materials such as paper, plastic and aluminum, audit reports are not required.
  - a. This applies to transfer locations and final destination waste facilities.*
  - b. The Environmental Group can assist with conducting and/or obtaining an audit of a waste vendor facility being considered for disposal of a particular waste stream.*
  - c. No waste shall be sent to any third-party waste disposal facilities without approval from Environmental Compliance based on a review of the waste vendor audit reports.**

*Evaluation of commercially available audits of waste disposal facilities and companies (such as through the service provided by CHWMEG) where NRG waste materials are sent shall be acceptable documentation for satisfying the requirements above, provided that the audit report has been reviewed and the waste disposal facility approved by Environmental Compliance.*

Copies of the approved contract/purchase order and information regarding the vendor shall be kept in the Facility Environmental Files.

Waste transporters and disposal facilities currently being used or planned for use are provided in Table 4. Each of these facilities has been selected and contracted in accordance with the above NRG Policy. Additional or alternate facilities and transporters may be used in the future, depending upon conditions. All transporters and facilities shall be licensed and have the appropriate permits. Vendors shall also meet NRG Policies and Procedures and other internal requirements.

<b>Table 4 Waste Transportation and Disposal Vendors Marsh Landing Generating Station Operations</b>	
<b>Waste</b>	<b>Transporter Destination Facility</b>
Waste (Concrete)	ALB, Inc. Cemex USA
Waste (Demo Debris)	Veolia Keller Landfill (Allied Waste)
Waste from Special Projects	Clean Harbors or Veolia MP Environmental
Routine Waste	Allied Waste
Waste Flammable Liquid (Lab Pack)	Veolia Veolia - Azusa
Waste Aerosols, Waste Flammables, Lead Debris	Veolia Veolia - Azusa
Universal Waste (Batteries, Lamps, Mercury Switches, Electronic Wastes, etc.) Hazardous Waste (Broken Bulbs, Waste Ammonia Solution) Non RCRA Hazardous Waste (Soil, Oily Debris, Ash, Pipes Contaminated with Fuel Oil, Oily Water, Waste Oils and Fluids, Lab Packs, Wood Waste, Asphalt, Non PCB Ballasts, Urea, Soil Mixed with Asphalt, Waste Ethylene and Propylene Glycol Solutions)	Veolia, Tristate Motor Transit Company, or MP Environmental Veolia - Azusa or Richmond
Hazardous Waste (Oily Pipe and Contaminated Soil)	Veolia Veolia – Azusa or Keller Landfill (Allied Waste)
Scrap Metal	Aaron Metals
Oil/Water/Sludge	Veolia or Safety-Kleen – Newark Veolia – Azusa or Ramos Environmental Services / World Oil Compton

<b>Table 4 Waste Transportation and Disposal Vendors Marsh Landing Generating Station Operations</b>	
<b>Waste</b>	<b>Transporter Destination Facility</b>
Non RCRA Hazardous Waste (Natural Gas Filters)	Environmental Logistics, Inc. or Veolia Hazmat TSDf Inc. or Veolia - Richmond

## **6.0 WASTE MANAGEMENT SYSTEM**

### **6.1 Waste Management Procedures and Best Management Practices**

Waste management procedures and best management practices which will be implemented throughout the course of operations include the following:

- Assignment of responsibility for waste management to the Environmental Specialist and Environmental Technician.
- Training of personnel regarding waste management procedures.
- Recording specified data for each off-site waste transfer (inert, non-hazardous, and hazardous).
- Performing disposal facility audits, in accordance with NRG Policy.
- Performing on-site transporter checks.
- Performing inspections of waste storage areas and containers.

### **6.2 Recordkeeping**

MLGS will maintain appropriate records for all disposal of waste. Records will include the following:

- Records of waste classification determinations, including documentation of generator knowledge and waste analyses.
- Disposal facility waste profiles.
- Disposal facility audit reports.
- Transporter audit reports.
- Waste storage inspection records/checklists.
- Bills of lading for non-hazardous waste and universal waste shipments.
- Hazardous waste manifests for each waste shipment, including Generator Initial Copy.

Additional or duplicate information for hazardous wastes may also be maintained in a tracking spreadsheet on the shared drive. This spreadsheet captures a variety of information about each waste shipment including Date Shipped Off Site, Waste Shipping Name and Description, Shipper/Receiving Facility, Profile Number, Manifest Tracking Number, Number of Containers, Type of Containers, Total Quantity (Volume/Weight), and Waste Codes.

### **6.3 Waste Minimization and Reduction**

As previously indicated, MLGS is subject to the NRG Energy, Inc. Environmental Policy and Procedures. Section 1.3. of NRG's Environmental Policy and Procedures Manual states the following:

*NRG seeks to reduce waste generation and, in accordance with Environmental Law, provide for the safe, cost-effective and responsible management of wastes that cannot otherwise be avoided.*

#### **1.3.1. Waste Minimization/Pollution Prevention Plan**

*Each Operations Facility will maintain and update a waste minimization/pollution prevention plan that describes an internal program for preventing, reducing, recycling, reusing and minimizing waste. The plan will determine best management practices for reducing wastes and the costs associated with lawfully handling them. The plan shall be reviewed, updated as necessary, and approved at least every other year by the Facility Manager or his/her designee.*

*As part of the waste minimization/pollution prevention plan, the following areas must be examined: (a) description of the primary waste materials produced (routinely generated wastes such as plant trash, cardboard, used/waste oil, coal combustion products, used lamps, spent solvents, oil impacted solids, aerosol cans, spent resins and process sludge); (b) steps already implemented to prevent, reduce, recycle, reuse or minimize waste materials; (c) potential additional steps to prevent, reduce, recycle, reuse or minimize waste materials; and (d) recommendations for purchasing alternative raw materials and/or Industrial Chemicals that may reduce waste generation.*

Non-hazardous waste minimization and reduction initiatives include the following:

- Recycling of concrete to the extent possible.
- Equipment salvage.
- Recycling of scrap steel, copper, aluminum and other metals.
- Recycling of wood.
- Recycling of used 55-gallon drums as scrap metal.

Minimization and reduction of hazardous wastes generated by the power generation operations is accomplished through adherence to the above-referenced NRG Policy and applicable regulations. Recommendations, as they are presented, will be considered for purchasing alternative raw materials and/or Industrial Chemicals that may reduce waste generation.

### **6.4 Facility Waste Management During Unplanned or Temporary Closure**

Regardless of the circumstances of the temporary closure (unplanned or planned), the facility will maintain 24-hour staffing and the CEC will be notified. Facility waste management practices in a temporary closure would essentially remain the same as those performed during operations, although the waste volumes would be less due to the non-operational status of the facility. In the event of an extended shutdown, the facility may

need to conduct certain tasks, such as the draining of chemicals, water, and other fluids from storage tanks and plant equipment to ensure worker safety, and to protect plant equipment and the environment. These activities would follow normal maintenance practices, and be performed in accordance with equipment manufacturer's recommendations.

All hazardous and nonhazardous wastes generated during the temporary closure would be collected, managed, and disposed of consistent with all laws, ordinances, regulations and standards (LORS). It is expected that the management methods, housekeeping, waste testing methods, transportation and disposal requirements would remain the same as those during the operational phase of the facility. Inspections of wastes would also continue to be performed consistent with Federal, State and local regulations. Even in a longer term facility closure, the regulatory compliance programs and ongoing waste practices would continue.

In an unplanned facility temporary closure, nonhazardous liquid wastes, such as wastewater, would be managed in similar fashion as those conducted during operation of the facility, although at a reduced scale, as some wastes would no longer be generated. Storm water, although not a waste, would continue to be managed in similar fashion as during operations. Nonhazardous solid wastes would also continue to be managed in similar means as those generated during the operational phase of the facility.

In the event of an unplanned temporary facility closure due to emergencies such as earthquakes, fires, or releases of hazardous materials, activation of the appropriate Contingency Plan would be implemented. Contingency Plans are required under a number of regulatory programs, and the implementation would depend upon the type of emergency encountered. For example, a release of a hazardous material would trigger the implementation of the Facility Emergency Plan and the Hazardous Materials/Hazardous Waste Contingency Plan under Hazardous Materials Business Plan requirements. These Contingency Plans include methods to control releases of hazardous materials, notification of appropriate authorities and the public, training for plant personnel, and other emergency response actions and preparation. When the release of hazardous materials has been contained and cleaned up, temporary closure will proceed as in the case of a closure where there is no release of hazardous materials.

If the facility closure is of extended duration, an updated Hazardous Materials Business Plan will be submitted to the local CUPA that would reflect the changes to the facility storage of hazardous materials including wastes. Should hazardous materials remain on the site, inspections, recordkeeping, training and all other compliance requirements of the CEC as well as all other LORS will be continued.

A facility closure plan would not be prepared as part of a temporary closure, as it would be expected the plant would eventually return to service.

## **6.5 Facility Wastes Management and Disposal upon Closure of the Facility**

The original planned operational life of the facility is at least 30 years with at least 19 years remaining, although the facility could operate longer or shorter depending upon numerous variables and conditions. When the facility is expected to be finally closed, procedures set forth in a facility closure plan will be implemented. Refer to the Compliance Conditions for Facility Closure Plan for specific details.

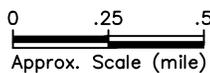
Proposed decommissioning measures will attempt to maximize the recycling of all facility components. Unused chemicals will be sold back to the suppliers or other purchasers where practicable. All equipment will be shut down and drained so as to ensure public health and safety and protection of the environment. All hazardous and nonhazardous waste materials will be collected and disposed of consistent with all LORS. Until decommissioning activities have been completed, 24-hour staffing for the facility will be maintained.

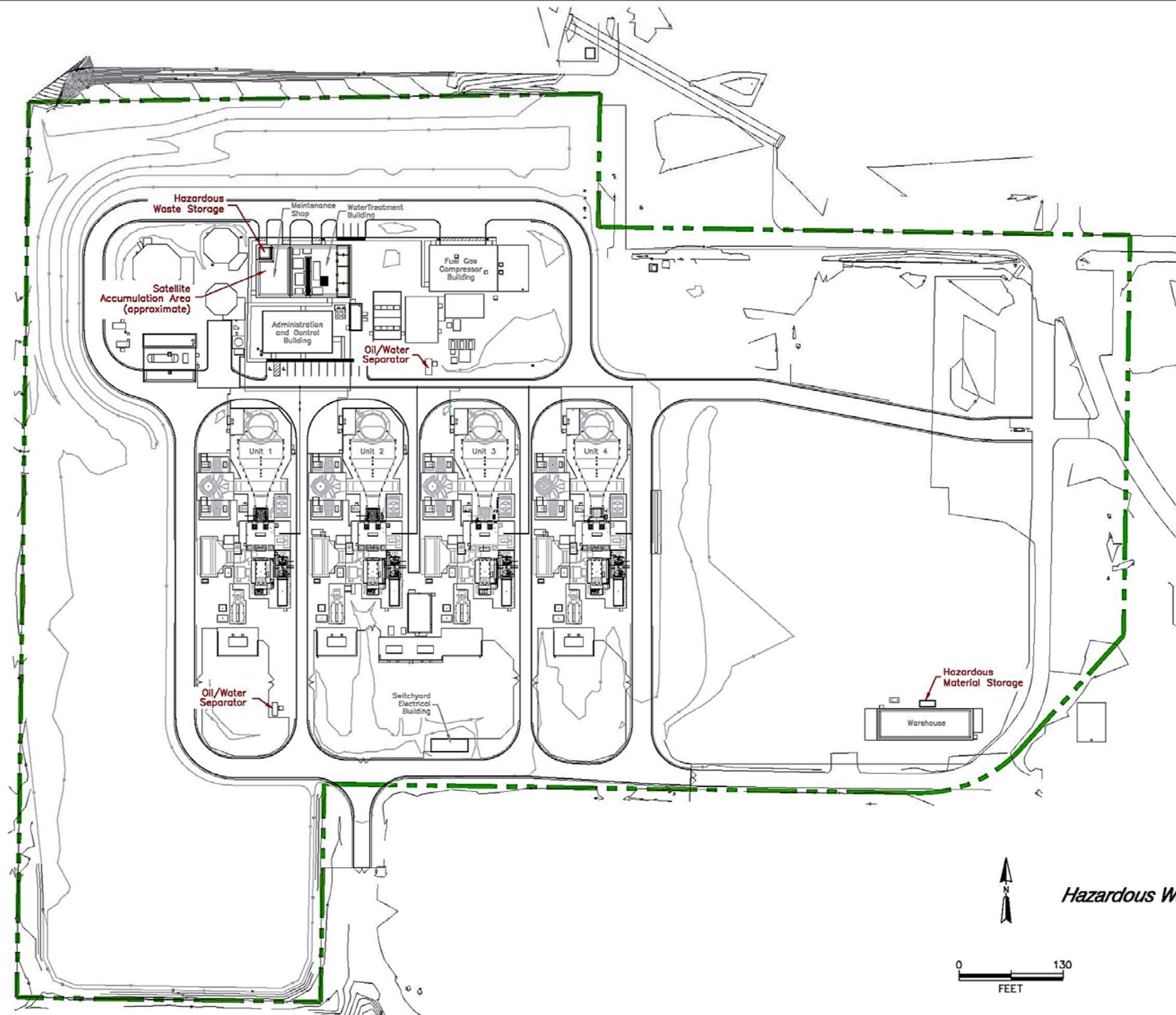
## Figures



**Figure 1**  
*Site Vicinity Map*  
*Marsh Landing Generating Station*  
*NRG Marsh Landing, LLC*  
*3201-C Wilbur Avenue*  
*Antioch, California*

Aerial Photo Source: ©Google Earth Pro  
Image Date: 3/11/2017





**LEGEND**

- - - - - Parcel Boundary

- Notes:**
1. Actual parcel location is approximate and based on construction drawings to date. For more detailed and accurate specifications, see Kiewit Marsh Landing Generating Station drawing number 2009-019-CM-013, 2009-019-CM-007, and 2009-019-PP-001.
  2. Parcel boundary based on Contra Costa County Assessor's Map, Book 51, Page 3; 10-6-2010 (Block No. 031, Parcel 18). Parcel area = 26.84 acres.

Figure 2  
**Hazardous Waste Storage and Accumulation Areas**  
**Marsh Landing Generating Station**  
**GenOn Marsh Landing, LLC**  
**3201-C Wilbur Avenue**  
**Antioch, California**

## **Appendix 1**



**Jared Blumenfeld**  
Secretary for  
Environmental Protection



**Department of Toxic Substances Control**

**Meredith Williams, Ph.D.**

**Director**

**1001 "I" Street**

**P.O. Box 806**

**Sacramento, California 95812-0806**



**Gavin Newsom**  
Governor

**Facility Search Results**

**Selection Criteria:**

**Facility:** MARSH LANDING

**Search on:** Physical Address

**Status:** Active and Inactive

**Sort Direction:** asc

**Sorted By:** EPA ID

**Records Found:** 2

EPA ID Number	Name	Address	City	Zip
<a href="#">CAL000359368</a>	MARSH LANDING GENERATING STATION	3201 WILBUR AVE	ANTIOCH	94509
<a href="#">CAR000217273</a>	MARSH LANDING GENERATING STATION	3201 WILBUR AVE # C	ANTIOCH	945098546

The Department of Toxics Substances Control (DTSC) takes every precaution to ensure the accuracy of data in the Hazardous Waste Tracking System (HWTS). However, because of the large number of manifests handled, inaccuracies in the submitted data, limitations of the manifest system and the technical limitations of the database, DTSC cannot guarantee that the data accurately reflect what was actually transported or produced.

**Report Generation Date:** 01/03/2020



CONTRA COSTA  
**HEALTH**

4535 Pacheco Blvd., Ste 100 | Martinez, CA 94553 | Phone: 925-655-3200 | Fax: 925-646-2073  
ccchazmat@cchealth.org

**2024**

**HAZARDOUS WASTE GENERATOR (HWG) REPORTING FORM**

**FACILITY NAME:** MARSH LANDING GENERATING STATION  
3201 WILBUR AVE UNIT C  
ANTIOCH, CA 94509

**CUPA FACILITY ID:** 774528  
**CERS ID:** 10480876  
**EPA ID:** CAR000217273

Please review the following to determine if submittal of the HWG Reporting form is necessary.

- Determine the amount of hazardous waste your business disposed of during the calendar year 2023. See "*Calculating Hazardous Waste*" on the reverse for tips on calculating hazardous waste disposal quantities.
- According to CCHHMP records your business's annual hazardous waste disposal is:

**1.3 - <5 TONS/YEAR**

- If your hazardous waste disposal calculations fall within the listed range, you do not need to submit the HWG Reporting Form. Calculations will be verified during your next inspection. Discrepancies confirmed during an inspection will result in a fee adjustment.
- If your hazardous waste disposal calculations do not fall within the range shown above, you will need to submit the HWG Reporting Form. Calculations will be verified during your next inspection and discrepancies will result in a fee adjustment. The instructions and the form are on the reverse. Forms are due to CCHHMP on or before March 1, 2024.

This request for information is separate than the California Environmental Reporting System (CERS) requirements. Completion of this form, or not having to complete this form, does not fulfill the CERS reporting requirement under Title 27 of the California Code of Regulations.

**YOU MUST ALSO COMPLETE AN ONLINE CERS SUBMITTAL**

<http://cers.calepa.ca.gov/>

For additional assistance, please call CCHHMP at (925) 655-3200 to speak with a Hazardous Materials Specialist or email us at [ccchazmat@cchealth.org](mailto:ccchazmat@cchealth.org)

**FACILITY NAME:** MARSH LANDING GENERATING STATION  
3201 WILBUR AVE UNIT C  
ANTIOCH, CA 94509

**CUPA FACILITY ID:** 774528  
**CERS ID:** 10480876  
**EPA ID:** CAR000217273

### Completing and Submitting the Hazardous Waste Generator Reporting Form

#### Calculating Hazardous Waste

Determine the amount of hazardous waste disposed of by your business by reviewing your business's hazardous waste manifests, consolidated manifests, and disposal receipts for calendar year 2023. Disposal includes any hazardous waste picked up by a licensed transporter or taken to a certified collection location. Hazardous waste is defined as any waste that is listed or meets the criteria of toxicity, corrosivity, ignitability, or reactivity as defined by the California Code of Regulations, Title 22, Chapter 11.

These guideline conversion factors may be used when calculating tonnage:

- a) Number of gallons X 0.00417 tons / gallon = Number of tons
- b) Number of cubic yards x 1.35 tons / cubic yard = Number of tons
- c) Number of pounds / 2000 pounds = Number of tons

#### Completing the Reporting Form

1. If your calculation for the 2023 calendar year is outside your current disposal category you must complete this form.
2. Provide the total tonnage of hazardous waste disposed if during the 2023 calendar year.
3. Fill in signature, print name, date, phone number, and email address.

#### Submitting Options

**CERS:** Upload a pdf of the completed HWG Reporting Form to CERS under *Miscellaneous State-Required Documents* in the *Facility Information* submittal element. If there is a previously submitted Reporting Form, click on "Discard" to remove it before uploading the 2024 HWG Reporting Form. Type in "HWG Reporting Form" in the document title section and then click *Save & Finish*.

**FAX:** You may fax the completed HWG Reporting Form to (925) 646-2073.

**EMAIL:** You may email the completed HWG Reporting Form to [ccchazmat@cchealth.org](mailto:ccchazmat@cchealth.org)

**MAIL:** Contra Costa Health Hazardous Materials Programs  
4585 Pacheco Blvd., Suite 100, Martinez, CA 94553

**Determine the amount of Hazardous waste your business disposed of during the 2023 calendar year.**

**Total Tonnage of Hazardous Waste Disposal During 2023**

2.1 Tons

I hereby certify that this form, including any accompanying statements, is true and correct to the best of my knowledge and belief.

**Signature:** Joe Moura **Date:** 2/13/24  
**Print Name:** Joe Moura **Phone:** 925-779-6685  
**Email Address:** Joe.Moura@nrg.com