



## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA. 92683

SAMPLE DESCRIPTION: El Segundo 24-hour Study,  
SERIES: S12158-9 2 Preserved water sample sets.  
AMS BATCH NO.: 3,195  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/17/2011	TIME SAMPLED:	12:00
DATE RECEIVED:	5/17/2011	TIME RECEIVED:	16:49
DATE ON TEST:	5/17/11	TIME ON TEST:	17:20
ELAPSED TIME:	31 min.	ACCEPTABLE:	YES

By:

A handwritten signature in black ink, appearing to read "Daniel B. Duron", is written over a horizontal line.

Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist



CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,195

Client ID	Fecal Coliforms, MPN/100ml
Intake	1.8
Outfall	<1.8

MPN= Most Probable Number

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1538 W. Gaylord Street, Long Beach, CA 90813 WEBSITE: AMSLABS.COM  
Ph: (562) 495-9500 Fx: (562) 495-9522 (888) 685-3330



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**POWER PRODUCTION CHEMICAL**  
7301 Fenwick Lane, 2<sup>nd</sup> floor, Westminster,  
CA 92683  
Phone: (714) 895-0525; Fax: (714) 895-0515

**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/17/11	12:00	Fecal Coliform by SM 9221 E
Outfall	5/17/11	12:00	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

Special Instructions:
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

<i>Larry Thomas</i>	Date: 5/17/11	
Print Name	Time: 12:00	Signature

**Chain of Custody:**

<i>Larry Thomas</i>	Date: 5/17/11	<i>[Signature]</i>	Date: 5-17-11
Relinquished By	Time: 1556	Received By	Time: 5:56
<i>[Signature]</i>	Date:	<i>Versha Pallet</i>	Date: 5/17/11
Relinquished By	Time: 16:49	Received By	Time: 16:49



## AMS COC & WORK ORDER

Client: Edison ESI

Date Placed: 5/17/11  
 Contact: \_\_\_\_\_  
 PO#: \_\_\_\_\_

Sample Site Address: El Segundo 24th St

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl	°C
121581	Intake	FC	5/17/11 12:00		
121592	Outfall	FC	5/17/11 12:20		
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Sampled By: Larry Thomas Company: EDISON ESI  
 Date Received: 5/17/11 Time Received: 16:49 Received/Checked By: [Signature]  
 Temperature on receipt: 7°C Condition on receipt: Good Comments: \_\_\_\_\_

RELINQUISHED BY: Leo Hernandez  
 COMPANY: EDISON  
 DATE: 5/17/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: [Signature]  
 COMPANY: AMS  
 DATE: 5/17/11

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24-hour Study,  
SERIES: S12156-7 2 Preserved water sample sets.  
AMS BATCH NO.: 3,194  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method B 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/17/2011	TIME SAMPLED:	15:00
DATE RECEIVED:	5/17/2011	TIME RECEIVED:	16:49
DATE ON TEST:	5/17/11	TIME ON TEST:	17:20
ELAPSED TIME:	31 min.	ACCEPTABLE:	YES

By: \_\_\_\_\_

*Versha Patel*  
Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist

---

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CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,194

Client ID	Fecal Coliforms, MPN/100ml
Intake	<1.8
Outfall	<1.8

MPN= Most Probable Number

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**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/17/11	1500	Fecal Coliform by SM 9221 E
Outfall	5/17/11	1520	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

Special Instructions:
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

<i>Larry Th...</i>	Date: 5/17/11	<i>Larry Th...</i>	
Print Name	Time: 1520	Signature	

**Chain of Custody:**

<i>Larry Th...</i>	Date: 5/17/11	<i>[Signature]</i>	Date: 5-17-11
Relinquished By	Time: 1558	Received By	Time: 1552
<i>[Signature]</i>	Date: 5-17-11	<i>Vashebalet</i>	Date: 5/17/11
Relinquished By	Time: 1644	Received By	Time: 1649

②



### AMS COC & WORK ORDER

Client: Edison ES1

Date Placed: 5/17/11

Contact: \_\_\_\_\_

PO#: \_\_\_\_\_

Sample Site Address: El Segundo 24 W study

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl	°C
121561	Intake	FC	5/17/11	15:05	
121572	Outfall	FC	5/17/11	15:20	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

Sampled By: Jerry Thomas Company: Edison ES1  
 Date Received: 5/17/11 Time Received: 16:49 Received/Checked By: LA  
 Temperature on receipt: 7°C Condition on receipt: in ice Comments: \_\_\_\_\_

RELINQUISHED BY: [Signature]  
 COMPANY: Edison  
 DATE: 5/17/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: [Signature]  
 COMPANY: AMS  
 DATE: 5/17/11

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_





## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24-hour Study,  
SERIES: S12154-5 2 Preserved water sample sets.  
AMS BATCH NO: 3,193  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E-9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/17/2011	TIME SAMPLED:	15:00
DATE RECEIVED:	5/17/2011	TIME RECEIVED:	16:49
DATE ON TEST:	5/17/11	TIME ON TEST:	17:20
ELAPSED TIME:	31 min.	ACCEPTABLE:	YES

By: \_\_\_\_\_

*Vaishali Patel*  
Daniel B. Duron, Microbiologist  
Vaishali L. Patel, Biochemist

---

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CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,193

Client ID	Fecal Coliforms, MPN/100ml
Intake dup.	<1.8
Outfall dup.	<1.8

MPN= Most Probable Number

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Phone: (714) 895-0525; Fax: (714) 895-0515

**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

**Edison ESI P.O. Number:** ESI6752B  
**Send analytical report to:** Shawn Simmons (shawn.simmons@sce.com) **Tel:** (714) 895-0525  
**Send copies of invoice to:** Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

**In all correspondence refer to project:** El Segundo 24-hour Study

**Sample(s) are submitted for treatment/disposition as described below.**

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake Dup	5/17/11	1500	Fecal Coliform by SM 9221 E
Outfall Dup	5/17/11	1520	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

**Special Instructions:**  
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.  
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

Larry Thomas	Date: 5/17/11	
Print Name	Time: 1555	Signature

**Chain of Custody:**

Larry Thomas	Date: 5/17/11		Date: 5/17/11
Relinquished By	Time: 1555	Received By	Time: 1500
	Date: 5/17/11	Vaishabate	Date: 5/17/11
Relinquished By	Time: 16:48	Received By	Time: 16:48

3



### AMS COC & WORK ORDER

Client: Edison

Date Placed: 5/17/11

Contact: \_\_\_\_\_

PO#: \_\_\_\_\_

Sample Site Address: El Segundo Air study

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	R.chl. °C
12-155-1	Intake dup	FC	5/17/11 15:18	
12-155-2	Outfall dup	FC	5/17/11 15:20	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Sampled By: L. P. Thomas Company: Edison ESI  
 Date Received: 5/17/11 Time Received: 16:40 Received/Checked By: LA  
 Temperature on receipt: 7°C Condition on receipt: On Ice Comments: \_\_\_\_\_

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: EDISON ESI  
 DATE: 5/17/11

RECEIVED BY: Vaughan  
 COMPANY: AMS  
 DATE: 5/17/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24hr study  
SERIES: S12160 - 163 4 sets of samples  
AMS BATCH NO.: 3,196  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/17/11	TIME SAMPLED:	18:00 - 21:20
DATE RECEIVED:	5/17/11	TIME RECEIVED:	22:50
DATE ON TEST:	5/17/11	TIME ON TEST:	18:00
ELAPSED TIME:	1,150 min.	ACCEPTABLE:	YES

By: Vaishali Patel  
Daniel B. Duron, Microbiologist  
Vaishali L. Patel, Biochemist

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CLIENT: Edison BSI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,196

Client ID	Fecal Coliforms, MPN/100ml
Intake 18:00	<18
Intake 21:00	<18
Outfall 18:20	<18
Outfall 21:20	<18

MPN= Most Probable Number

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CA 92683  
Phone: (714) 895-0525; Fax: (714) 895-0515

**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/17/11	1800	Fecal Coliform by SM 9221 E
		2100	
Outfall	↓	1820	Fecal Coliform by SM 9221 E
		2100	
			Samples are of seawater.
			The applicable range is 18-16,000

Special Instructions:
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

<b>AZNAR</b>	Date: 5/17/11	
Print Name	Time: 2130	Signature

**Chain of Custody:**

	Date: 5/17/11		Date: 5/17/11
Relinquished By	Time: 2130	Received By	Time: 2150
	Date: 5/17/11		Date: 5/17/11
Relinquished By	Time: 2130	Received By	Time: 2215

(7)

3196



### AMS COC & WORK ORDER

Client: Edison ESI

Date Placed: 5/17/11

Contact: \_\_\_\_\_

PO#: \_\_\_\_\_

Sample Site Address: \_\_\_\_\_

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl. °C
12160	1 Intake	fecal MTF	5/17 18:00	
161	2 Intake	fecal MTF	5/17 21:00	
162	3 Outfall	fecal MTF	5/17 18:20	
12163	4 Outfall	fecal MTF	5/17 21:20	
5				
6				
7				
8				
9				
10				
11				
12				

Sampled By: Clayton Company: \_\_\_\_\_  
 Date Received: 5/17/11 Time Received: 22:50 Received/Checked By: DD  
 Temperature on receipt: 7°C Condition on receipt: good in ice Comments: \_\_\_\_\_

RELINQUISHED BY: Liza Arno  
 COMPANY: Edison ESI  
 DATE: 5-17-11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: Don Dan  
 COMPANY: AMS  
 DATE: 5/17/11

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_





## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24hr study  
SERIES: S12164 - 165 2 sets of samples  
AMS BATCH NO.: 3,197  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/18/11	TIME SAMPLED:	00:00 - 00:20
DATE RECEIVED:	5/18/11	TIME RECEIVED:	04:12
DATE ON TEST:	5/18/11	TIME ON TEST:	05:30
ELAPSED TIME:	78 min.	ACCEPTABLE:	YES

By: \_\_\_\_\_

*Vaishali Patel*  
Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist

---

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CLIENT: Edison ESI

May 25, 2011

RESULTS:

AMS Batch No: 3,197

Client ID	Fecal Coliforms, MPN/100ml
Intake 00:00	<18
Outfall 00:20	<18

MPN= Most Probable Number

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**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
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Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/18/11	00:00	Fecal Coliform by SM 9221 E
Outfall	↓	00:20	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

**Special Instructions:**  
 In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.  
 Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

<i>AZNAK</i> Print Name	Date: 5/18/11 Time: 0340	<i>[Signature]</i> Signature
----------------------------	-----------------------------	---------------------------------

**Chain of Custody:**

<i>[Signature]</i> Relinquished By	Date: 5/18/11 Time: 0340	<i>[Signature]</i> Received By	Date: 5/18/11 Time: 0340
<i>[Signature]</i> Relinquished By	Date: 5/18/11 Time: 0412	<i>[Signature]</i> Received By	Date: 5/18/11 Time: 0412



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3197

### AMS COC & WORK ORDER

Client: Falson Est

Date Placed: 5/18/11

Contact: \_\_\_\_\_

PO#: \_\_\_\_\_

Sample Site Address: Atsegundo 24 hr study

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl °C
12164	1 Intake	FC	5/18/11 00:00	
12165	2 Outfall	FC	00:20	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Sampled By: LA Company: SCF  
 Date Received: 5/18/11 Time Received: 04:12 Received/Checked By: LA  
 Temperature on receipt: 7°C Condition on receipt: On ice Comments:

Test time 05:30

RELINQUISHED BY: [Signature]  
 COMPANY: SCF  
 DATE: 5/18/11

RECEIVED BY: [Signature]  
 COMPANY: Amc  
 DATE: 5/18/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24hr study  
SERIES: S12166 - 169 4 sets of samples  
AMS BATCH NO.: 3,198  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/18/11	TIME SAMPLED:	03:00- 03:20
DATE RECEIVED:	5/18/11	TIME RECEIVED:	04:12
DATE ON TEST:	5/18/11	TIME ON TEST:	06:00
ELAPSED TIME:	108 min.	ACCEPTABLE:	YES

By: *Versha Patel*  
Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist



CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,198

Client ID	Fecal Coliforms, MPN/100ml
Intake 03:00	<18
Intake Dup 03:00	<18
Outfall 03:20	20
Outfall Dup 03:20	20

MPN= Most Probable Number

---

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**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/18/11	0300	Fecal Coliform by SM 9221 E
Intake - Dup	↓	0300	
Outfall	↓	0320	Fecal Coliform by SM 9221 E
Outfall - Dup	↓	0320	
			Samples are of seawater.
			The applicable range is 18-16,000

**Special Instructions:**

In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.

Tuesday - Dan (562) 480-1844

Wednesday - Versha (562) 480-1822

**Sampler:**

AZNAE	Date: 5/18/11	Signature: [Signature]
Print Name	Time: 0340	Signature

**Chain of Custody**

[Signature]	Date: 5/18/11	[Signature]	Date: 5/18/11
Relinquished By	Time: 0440	Received By	Time: 0340
[Signature]	Date: 5/18/11	[Signature]	Date: 5/18/11
Relinquished By	Time: 0412	Received By	Time: 0412



6  
3198

### AMS COC & WORK ORDER

Client: Edison ESI

Date Placed: 5/18/11  
Contact: \_\_\_\_\_  
PO#: \_\_\_\_\_

Sample Site Address: El Segundo 24 hr study

Lab ID <small>(for Lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl	°C
12166 1	Intake	FC	5/18/11 03:00		
167 2	Intake dup	FC	03:00		
168 3	Outfall	FC	03:20		
12169 4	Outfall dup	FC	03:20		
5					
6					
7					
8					
9					
10					
11					
12					

Sampled By: LA Company: SCE  
Date Received: 5/18/11 Time Received: 04:12 Received/Checked By: WT  
Temperature on receipt: 7cc Condition on receipt: good - nice Comments: \_\_\_\_\_  
Test tubes ok

RELINQUISHED BY: Jenny Kumb  
COMPANY: SCE  
DATE: 5/18/11  
RELINQUISHED BY: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
DATE: \_\_\_\_\_

RECEIVED BY: VP  
COMPANY: AMS  
DATE: 5/18/11  
RECEIVED BY: \_\_\_\_\_  
COMPANY: \_\_\_\_\_  
DATE: \_\_\_\_\_





## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24-hr Study,  
SERIES: S12172-3 2 Preserved water sample sets.  
AMS BATCH NO.: 3,201  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/18/2011	TIME SAMPLED:	06:00
DATE RECEIVED:	5/18/2011	TIME RECEIVED:	10:52
DATE ON TEST:	5/18/11	TIME ON TEST:	11:30
ELAPSED TIME:	38 min.	ACCEPTABLE:	YES

By: Vaishali Patel

Daniel B. Duron, Microbiologist  
Vaishali L. Patel, Biochemist



CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,201

Client ID	Fecal Coliforms, MPN/100ml
Intake	<18
Outfall	20

MPN= Most Probable Number

---

1538 W. Gaylord Street, Long Beach, CA 90813 WEBSITE: AMSLABS.COM  
Ph: (562) 495-9500 Fx: (562) 495-9522 (888) 685-3330



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CA 92683  
Phone: (714) 895-0525; Fax: (714) 895-0515

**SAMPLE ANALYSIS MEMORANDUM TO:**

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/18/11	0600	Fecal Coliform by SM 9221 E
Outfall	5/18/11	0626	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

Special Instructions:
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

Larry Thomas	Date: 5/18/11	Shawn D. Pina	
Print Name	Time: 0600	Signature	

**Chain of Custody:**

Larry Thomas	Date: 5/18/11	Jennifer Kowalski	Date: 5/18/11
Relinquished By	Time: 0930	Received By	Time: 0930
Jennifer Kowalski	Date: 5/18/11	Versha Patel	Date: 5/18/11
Relinquished By	Time: 1052	Received By	Time: 1052



## AMS COC & WORK ORDER

Client: Edison CSI

Date Placed: 5/18/11  
Contact: \_\_\_\_\_

Sample Site Address: Alsegundo 24th Street

PO#: \_\_\_\_\_

Lab ID <small>(for lab use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	R.chl. °C
<u>2-173</u>	<u>In take</u>	<u>FC</u>	<u>5/18/11</u>	<u>06.00</u>
	<u>32 Outfall</u>	<u>FC</u>		<u>06.20</u>
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Sampled By: Client Company: Edison  
 Date Received: 5/18/11 Time Received: 10:52 Received/Checked By: LS  
 Temperature on receipt: 7°C Condition on receipt: once Comments: \_\_\_\_\_

RELINQUISHED BY: [Signature]  
 COMPANY: AMS  
 DATE: 5/16/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: [Signature]  
 COMPANY: AMS  
 DATE: 5/16/11

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_



## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24-hr Study,  
SERIES: S12174-5 2 Preserved water sample sets.  
AMS BATCH NO: 3,202  
TESTS REQUESTED: Coliform.MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method E 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/18/2011	TIME SAMPLED:	09:00
DATE RECEIVED:	5/18/2011	TIME RECEIVED:	10:52
DATE ON TEST:	5/18/11	TIME ON TEST:	11:30
ELAPSED TIME:	38 min.	ACCEPTABLE:	YES

By: \_\_\_\_\_

*Versha Patel*  
Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist



CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,202

Client ID	Fecal Coliforms, MPN/100ml
Intake	<18
Outfall	20

MPN= Most Probable Number

---

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### SAMPLE ANALYSIS MEMORANDUM TO:

Applied Microbiological Services (AMS) Lab  
1538 West Gaylord Street  
Long Beach, CA 90813 (Phone: 562-495-9500)

Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/18/11	0900	Fecal Coliform by SM 9221 E
Outfall	5/18/11	0920	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

### Special Instructions:

In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.

Tuesday - Dan (562) 480-1844

Wednesday - Versha (562) 480-1822

### Sampler:

Larry Thomas	Date: 5/18/11		
Print Name	Time: 0900	Signature	

### Chain of Custody:

Larry Thomas	Date: 5/18/11		Date: 5/18/11
Relinquished By	Time: 0930	Received By	Time: 0930
	Date: 5/18/11	Vaishak Patel	Date: 5/18/11
Relinquished By	Time: 1052	Received By	Time: 10:52



### AMS COC & WORK ORDER

Client: Edison ESI

Date Placed: 5/18/11

Contact: \_\_\_\_\_

PO#: \_\_\_\_\_

Sample Site Address: El Segundo 24hr Study

Lab ID <small>(for Lab Use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	Rchl. °C
<u>12174</u>	<u>In take</u>	<u>FC</u>	<u>5/18/11 09:00</u>	
<u>52</u>	<u>Outfall</u>	<u>FC</u>	<u>09:20</u>	
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Sampled By: Client Company: Edison  
 Date Received: 5/18/11 Time Received: 10:52 Received/Checked By: LS  
 Temperature on receipt: 7°C Condition on receipt: OK 100 Comments: \_\_\_\_\_

RELINQUISHED BY: [Signature]  
 COMPANY: SES  
 DATE: 5/18/11

RECEIVED BY: LS  
 COMPANY: AMS  
 DATE: 5/18/11

RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_





## ANALYTICAL REPORT

May 25, 2011

ATTN: Shawn Simmons  
CLIENT: Edison ESI  
7301 Fenwick Lane, 2nd Floor  
Westminster, CA 92683

SAMPLE DESCRIPTION: El Segundo 24-hr Study,  
SERIES: S12176-8 3 Preserved water sample sets.  
AMS BATCH NO: 3,203  
TESTS REQUESTED: Coliform MTF WW 044

METHODS: Coliform analysis; Multiple Tube Fermentation, Most Probable Number, Method 1: 9221 B&E, Standard Methods for the Examination of Water and Waste Water, 20th ed.

RESULTS: Please see the following page(s).

DATE SAMPLED:	5/18/2011	TIME SAMPLED:	12:00
DATE RECEIVED:	5/18/2011	TIME RECEIVED:	13:44
DATE ON TEST:	5/18/11	TIME ON TEST:	14:30
ELAPSED TIME:	46 min.	ACCEPTABLE:	YES

By: Versha L. Patel  
Daniel B. Duron, Microbiologist  
Versha L. Patel, Biochemist



CLIENT: Edison ESI

May 25, 2011

**RESULTS:**

AMS Batch No: 3,203

Client ID	Fecal Coliforms, MPN/100ml
Intake	<18
Outfall	<18
Outfall dup.	<18

MPN= Most Probable Number

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**SAMPLE ANALYSIS MEMORANDUM TO:**

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1538 West Gaylord Street  
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Edison ESI P.O. Number: ESI6752B  
Send analytical report to: Shawn Simmons (shawn.simmons@sce.com) Tel: (714) 895-0525  
Send copies of invoice to: Shawn Simmons (shawn.simmons@sce.com), and  
Lisa Dela Pina (lisa.delapina@sce.com)

In all correspondence refer to project: El Segundo 24-hour Study

Sample(s) are submitted for treatment/disposition as described below.

Sample ID	Date Collected	Time Collected	Description/Analytes
Intake	5/18/11	1200	Fecal Coliform by SM 9221 E
Outfall	5/18/11	1220	Fecal Coliform by SM 9221 E
Outfall Duplicate	5/18/11	1220	Fecal Coliform by SM 9221 E
			Samples are of seawater.
			The applicable range is 18-16,000

**Special Instructions:**  
In case the timing changes or there is a problem with delivery during "off" hours, please use the cell phone numbers below to contact AMS personnel.  
Tuesday - Dan (562) 480-1844      Wednesday - Versha (562) 480-1822

**Sampler:**

<u>Larry Thomas</u> Print Name	Date: <u>5/18/11</u> Time: <u>1200</u>	<u>[Signature]</u> Signature	
-----------------------------------	---	---------------------------------	--

**Chain of Custody:**

<u>Larry Thomas</u> Relinquished By	Date: <u>5/18/11</u> Time: <u>1342</u>	<u>Dan &amp; Dan</u> Received By	Date: <u>5/18/11</u> Time: <u>1344</u>
Relinquished By	Date: Time	Received By	Date: Time



809

### AMS COC & WORK ORDER

Client: E. S. Iqbal ESI  
 \_\_\_\_\_  
 \_\_\_\_\_

Date Placed: 5/18/11  
 Contact: \_\_\_\_\_  
 PO#: \_\_\_\_\_

Sample Site Address: \_\_\_\_\_

Lab ID <small>(for AB use)</small>	Location/Client ID#	Analyses to be performed	Sample Date/Time	R.chl.	°C
<u>12176</u>	<u>In take</u>	<u>MTF fecal</u>	<u>5/18 12:00</u>		
<u>772</u>	<u>out fall</u>	<u>MTF fecal</u>	<u>5/18 12:20</u>		
<u>813</u>	<u>out fall dup.</u>	<u>MTF fecal</u>	<u>5/18 12:20</u>		
<u>QAM</u>					
5					
6					
7					
8					
9					
10					
11					
12					

Sampled By: client Company: E. S. I  
 Date Received: 5/18 Time Received: 13:49 Received/Checked By: JD  
 Temperature on receipt: 5°C Condition on receipt: good gloo Comments: icw

RELINQUISHED BY: Larry Thomas  
 COMPANY: SCE  
 DATE: 5/18/11  
 RELINQUISHED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_

RECEIVED BY: Jay Van  
 COMPANY: AMS  
 DATE: 5/18/11  
 RECEIVED BY: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 DATE: \_\_\_\_\_