

March 12, 2001

Trish Maguire
Wastewater Control Representative
East Bay Municipal Utility District
EBMUD – Mail Slot #702
Source Control Division
P.O. Box 24055
Oakland, CA 94623-1055

3337


MAR 16 2001

RE: Tony's Express Auto Service
3609 International Blvd.
Oakland, CA 94601
Wastewater Discharge Permit No. 504-27421

Dear Ms. Maguire:

In compliance with our Wastewater Discharge Permit and as requested in your letter dated February 1, 2001, I have enclosed the semi-annual technical report for Tony's Express Auto Service. This report contains a record of discharge from the system, as well as an account of all changes made to the system. Also included in the report are the documents related to the sampling of the effluent at the site. Each lab report contains the chain of custody, the lab results, and any QA/QC analyses performed by the laboratory. Please contact me if you have any questions or comments.

Thank you,



Patrick Sullivan
Project Hydrogeologist
SOMA Environmental Engineering, Inc.
(952) 244-6600

cc: Mr. Abolghassem Razi w/enclosure
Mr. Barney Chan w/enclosure ✓
Alameda County Dept. of Env. Health

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March 12, 2000

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1.0 INTRODUCTION

This report presents the record of wastewater discharge from the groundwater remediation system operated by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Abolghassem Razi, the property owner. The project site is Tony's Express Auto Service; located at 3609 International Boulevard, Oakland, California (the "Site"), see Figure-1.

The Site is located at the intersection of 36th Avenue and International Boulevard (formerly known as East 14th Street), Oakland, California: see Figure-1. It is currently used as a gasoline service station and mechanic shop. The Site is relatively flat, and the surrounding properties are primarily commercial businesses and residential housing. Figure-2 shows the location of the main building, fuel tank areas, and on-site and off-site groundwater monitoring wells. Currently, the groundwater monitoring wells are being monitored on a quarterly basis. The results of the groundwater monitoring programs have indicated elevated levels of petroleum hydrocarbons in the groundwater beneath the Site. The source of petroleum hydrocarbons in the groundwater is believed to be the former underground storage tanks (USTs), which were used to store gasoline at the Site.

1.1 Background

Currently, the Site is used as a gasoline service station. The environmental investigation at the subject property started since 1992, when Mr. Razi, the property owner retained Soil Tech Engineering, Inc. (STE) of San Jose to conduct a limited subsurface investigation. The purpose of STE's investigation was to determine whether or not the soil near the product lines and underground storage tanks (USTs) have been impacted with petroleum hydrocarbons.

In July 1993, STE removed one single-walled 10,000-gallon gasoline tank and

one single-walled 6,000-gallon gasoline tank along with a 550-gallon waste oil tank from the Site. Three double-walled USTs replaced these tanks. Currently, there are one-10,000 gallon double-walled gasoline tank and two-6,000 gallon double-walled gasoline tanks beneath the Site (Figure 2).

In December 1997, Mr. Razi retained Western Geo-Engineers (WEGE) to conduct additional investigation and perform groundwater monitoring on a quarterly basis. The results of WEGE groundwater monitoring events indicated elevated levels of petroleum hydrocarbons and methyl tertiary butyl ether (MTBE) in the groundwater.

In April 1999, Mr. Razi retained SOMA to conduct groundwater monitoring, risk based corrective action (RBCA), corrective action plan (CAP) and soil and groundwater remediation at the Site. The results of the RBCA study indicated that the site is a high-risk area; therefore, the soil and groundwater in on-and off-site areas needs to be remediated. The results of CAP study indicated that installation of a French Drain along with air sparging technique is a cost effective alternative for site remediation.

In late August 1999, SOMA installed a French Drain and initiated a groundwater treatment system to prevent further migration of chemically impacted groundwater. Currently, this treatment system has been in operation since early December 1999. The purpose of this report is to present a record of the wastewater discharged from this system to the EBMUD sewer system during the period from November 15, 2000 to February 14, 2001.

2.0 TREATMENT SYSTEM OPERATION

The operation of the treatment system was started on December 6, 1999. Since then, more than 975,000 gallons (recording date is February 8, 2001) of

groundwater has been treated and discharged to the East Bay Municipal Utility District (EBMUD) under the existing discharge permit (see Appendix A). As required by the discharge permit and the ACEHS, inspection of the treatment system has been performed on a weekly basis since the system began operation. Also, effluent from the treatment system has been sampled and analyzed for chemical content on a monthly basis since August, and weekly before that.

Table-1 shows total volume of effluent discharged to EBMUD, as well as the results of laboratory analysis of the effluent treated at the Site. Table-1 shows that all effluent samples during discharge have maintained compliance with the permit, having values below the level of detection limit. During the past 3 months, approximately 10,500 gallons of chemically impacted groundwater per week has been processed by the treatment system. This is roughly the same as the 11,000 gallons treated weekly during the prior three-month period.

Based on our original calculations, we anticipated being able to treat the groundwater annually. However, these calculations were based on TPN-g being the limiting factor. In reality, it has been found that is not the case. As a result, 8700 pounds of carbon has been used by the treatment system to date, 2200 pounds in the last quarter of operation.

3.0 CHANGES TO REMEDIATION SYSTEM

2001

The system was shut down on February 10, 2000, after it was discovered that the air compressor that powers the vacuum pump was broken (Figure 3). While waiting for the replacement compressor to arrive, it was decided to utilize the downtime to refurbish the treatment system. The polishing GAC (GAC 2) was replaced with a new unit with fresh carbon. The spent carbon was removed from the large GAC (GAC 1) and disposed of. After that, the large GAC vessel was steam cleaned, as was the 500-gallon holding tank. Upon completion of the

cleaning, the large GAC was refilled with 2000 pounds of fresh carbon. The down-hole pump was fitted with a new regulator, and its filter was replaced as well. Next, the transfer pump was upgraded. In addition, most of the PVC piping for the system was replaced. Finally, the new compressor was installed and the system restarted on March 1, 2001. The system was sampled upon restart, and the laboratory results will be included in the next quarterly report.

Prior to February 10, the system was functioning normally.

4.0 REPORT LIMITATIONS

This report is the summary of work done by SOMA including observations and descriptions of the Site conditions. It includes the analytical results produced by Delta Environmental Laboratories, as well as the data summaries produced by the previous environmental consultants. The number and location of the wells were selected to provide the required information, but may not be completely representative of the entire Site conditions. All conclusions and recommendations are based on the results of laboratory analysis. Conclusions beyond those specifically stated in this document should not be inferred from this report.

SOMA warrants that the services provided were done in accordance with the generally accepted practices in the environmental engineering and consulting field at the time of this sampling.

5.0 REFERENCES

Soil Tech Engineering, Quarterly Groundwater Monitoring Reports, from 1995, until July 1997

SOMA –Environmental Engineering, Inc., June 30, 1999, "Second Quarter 1999 Groundwater Monitoring Report Tony's Express Auto service Oakland, California".

SOMA –Environmental Engineering, Inc., September 14, 1999, "Third Quarter 1999 Groundwater Monitoring Report Tony's Express Auto service Oakland, California".

SOMA –Environmental Engineering, Inc., November 30, 1999, "Fourth Quarter 1999 Groundwater Monitoring Report Tony's Express Auto service Oakland, California".

SOMA –Environmental Engineering, Inc., March 10, 2000, "First Quarter 2000 Groundwater Monitoring Report Tony's Express Auto service Oakland, California".

Western Geo-Engineers, Quarterly Groundwater Monitoring and Sampling Reports from Fourth Quarter 1997 until First Quarter of 1999.

TABLES

Table 1: Total Volume of Water Treated and Effluent Chemistry
Tony's Auto Express, Oakland, California

	Date Sampling & Read	Total Volume** (Gallons)	Lab Results For GAC-1 and Effluent*					Total Xylene
			(concentrations in ug/L)					
			MTBE	TPH-g	Benzene	Toluene	Ethylbenzene	
February	2/10/01		System shut down for maintenance and cleaning.					
	2/8/01	975,490						
January	1/29/01	957,880	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
	1/12/01	927,200						
	1/4/01	921,790						
December	12/5/00	883,000	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
November	11/24/01		ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
	11/14/00	854,000						
	11/1/00	842,000	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
October	10/25/00	825,000						
	10/20/00	821,000						
	10/19/00	820,000						
	10/14/00	818,000						
	10/8/00	814,000						
	10/5/00	812,000						
	10/1/00	809,000	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
September	9/28/00	807,000						
	9/18/00		ND	ND	ND	ND	ND	ND
	9/14/00	797,000						
	9/4/00	788,000						

Table 1: Total Volume of Water Treated and Effluent Chemistry
Tony's Auto Express, Oakland, California

	Date Sampling & Read	Total Volume** (Gallons)	Lab Results For GAC-1 and Effluent*					Total Xylene
			(concentrations in ug/L)					
			MTBE	TPH-g	Benzene	Toluene	Ethylbenzene	
August	8/31/00	785,000						
	8/27/00	781,000	ND	ND	ND	ND	ND	ND
	8/24/00	778,000						
July	07/26/200	726,000	ND	ND	ND	ND	ND	ND
	07/19/200	718,000	ND	ND	ND	ND	ND	ND
	07/13/200	712,000	ND	ND	ND	ND	ND	ND
	07/07/200	706,000	ND	ND	ND	ND	ND	ND
June	06/29/00	700,000	ND	ND	ND	ND	ND	ND
	06/21/00	682,220	ND	ND	ND	ND	ND	ND
	06/16/00	669,720	ND	ND	ND	ND	ND	ND
	06/10/00	651,200	ND	ND	ND	ND	ND	ND
	06/02/00		ND	ND	ND	ND	ND	ND
May	05/31/00	629,000	ND	ND	ND	ND	ND	ND
	05/23/00	603,700	ND	ND	ND	ND	ND	ND
	05/18/00	570,000	ND	ND	ND	ND	ND	ND
	05/10/00	530,400	ND	ND	ND	ND	ND	ND
April	04/30/00	488,300	ND	ND	ND	ND	ND	ND
	04/18/00	485,300	ND	ND	ND	ND	ND	0.51
	04/10/00	440,200	ND	ND	ND	ND	ND	ND
	04/04/00	390,100	ND	ND	ND	ND	ND	ND
March								
	03/24/00	388,000	ND	ND	ND	ND	ND	ND
	03/17/00	357,100	ND	ND	ND	ND	ND	ND
	03/10/00	329,000	ND	ND	ND	ND	ND	ND
	03/03/00	300,000						

Table 1: Total Volume of Water Treated and Effluent Chemistry
Tony's Auto Express, Oakland, California

	Date Sampling & Read	Total Volume** (Gallons)	Lab Results For GAC-1 and Effluent*					
			(concentrations in ug/L)					
			MTBE	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylene
February								
	02/25/00	274,000	ND	ND	ND	ND	ND	ND
	02/18/00	233,000	ND	ND	ND	ND	ND	ND
	02/11/00	190,000	ND	ND	ND	ND	ND	ND
	02/04/00	160,800	ND	ND	ND	ND	ND	ND
January								
	01/28/00	130,600	ND	ND	ND	ND	ND	ND
	01/21/00	103,435	ND	ND	ND	ND	ND	ND
	01/14/00	83,500	185	ND	ND	ND	ND	ND
December								
	12/23/99	51,680	1486	NA	ND	ND	ND	ND
	12/23/99		ND	NA	ND	ND	ND	ND
	12/16/99	30,450	963	NA	ND	ND	ND	ND
	12/16/99		ND	NA	ND	ND	ND	ND
	12/09/99	9,000	230	ND	ND	ND	ND	ND

Pumping began on December 6, 1999

* Effluent is equivalent to GAC-2

** Meter replaced at 775,000 gallons. Actual current reading of new meter is 775,000 gallons less than the total volume reported.

FIGURES

International Blvd. (old E. 14th Street)

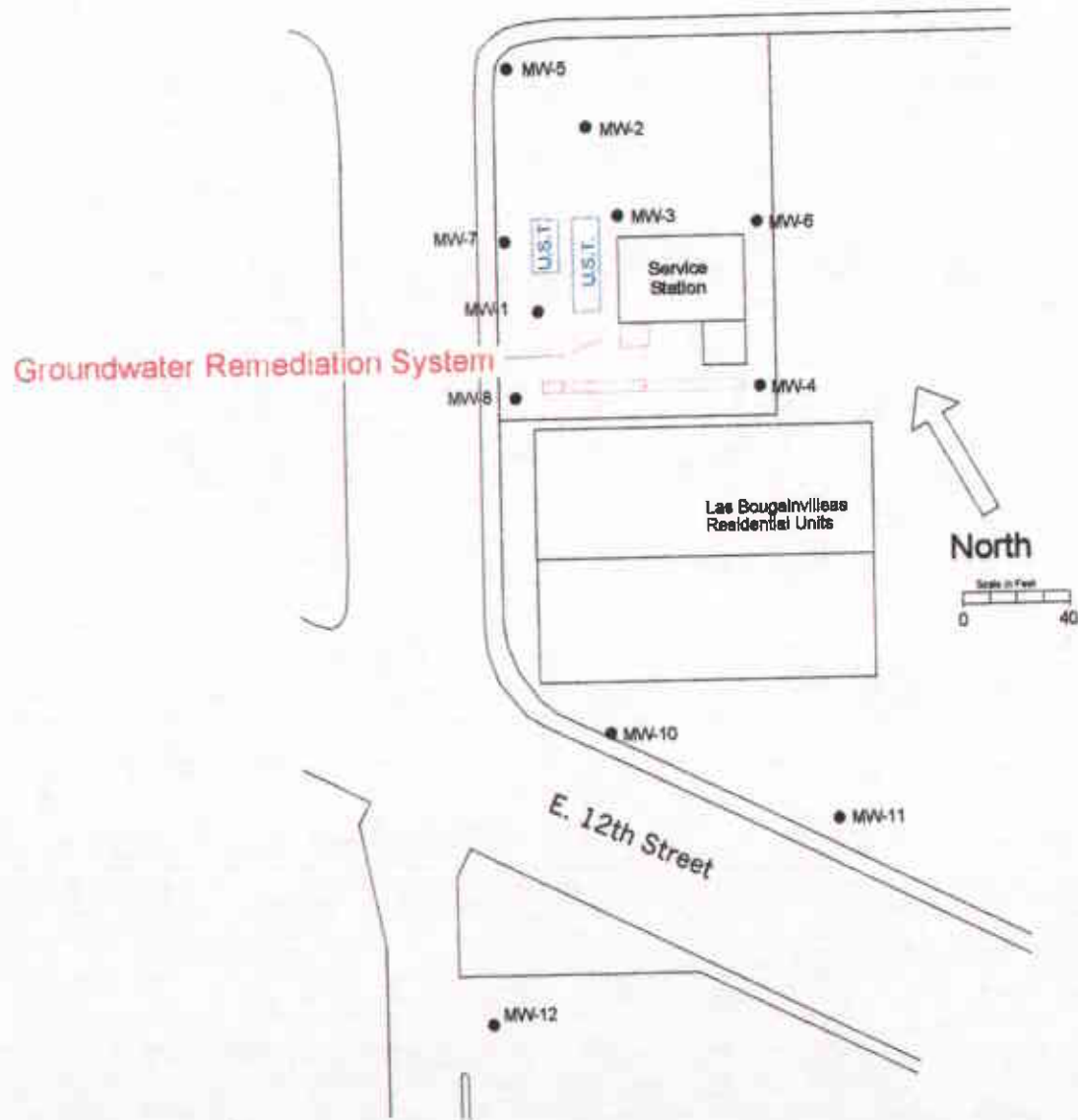


Figure 2: Site Map

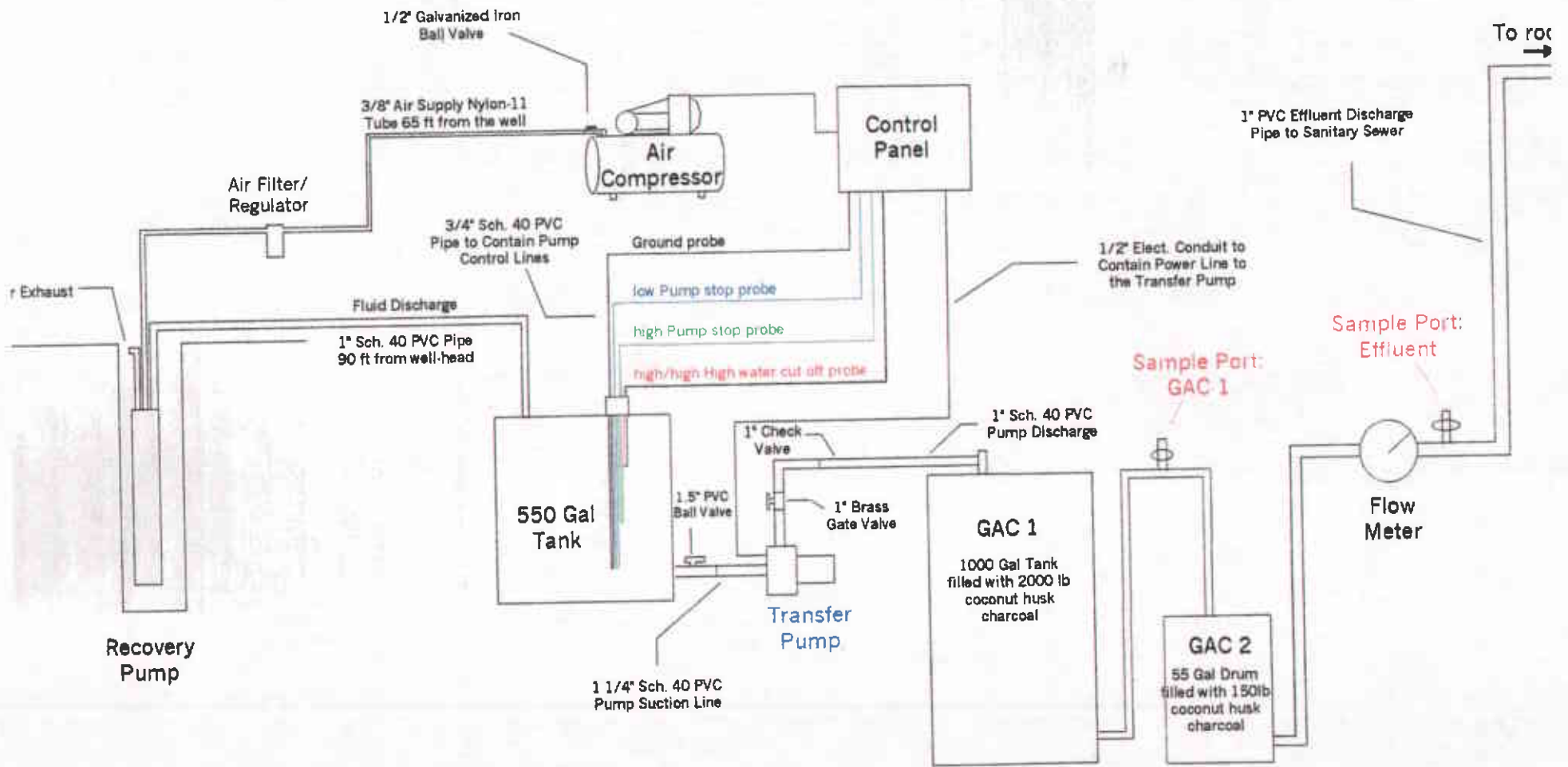


Figure 3: Revised Schematic of the Groundwater Remediation System, March 12, 2000

APPENDIX A

EBMUD DISCHARGE PERMIT



WASTEWATER DISCHARGE PERMIT

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions

Tony's Express Auto Service
Permit No. 504-27421
Page No. 1

GENERAL CONDITIONS

- I. Title I, Section 5 of EBMUD Ordinance No. 311 prohibits the discharge of groundwater to the community sewer. This Permit to discharge treated groundwater is considered a waiver of the prohibition and is issued based on Tony's Express Auto Service's application that discharge of pollutants to the community sewer will be minimized and methods to reclaim the groundwater, to the extent technically and economically feasible, have been made.
- II. This Permit is granted to Tony's Express Auto Service to discharge treated groundwater from 3609 International Boulevard in Oakland.
- III. Tony's Express Auto Service shall cease discharge of groundwater immediately if not in compliance with any of the Terms and Conditions of this Permit.
- IV. Tony's Express Auto Service shall comply with all items of the attached STANDARD TERMS AND CONDITIONS, July 2000 Edition.

COMPLIANCE REQUIREMENTS

- I. Tony's Express Auto Service shall not discharge any treated wastewater that is known to be, or suspected of, violating wastewater discharge limitations.
- II. Tony's Express Auto Service shall pretreat all groundwater before discharging to the sanitary sewer at 3609 International Boulevard in Oakland. Pretreatment shall consist of a minimum of processes displayed in the *Tony's Express Auto Service System Flow Diagram (Figure 3)*.
- III. Tony's Express Auto Service shall maintain the pretreatment system in proper operating condition.
- IV. Tony's Express Auto Service shall maintain records of operation and maintenance activities on the pretreatment systems. The records shall include, but are not be limited to, meter readings from the flow totalizer at a maximum of monthly intervals; maintenance activities performed; description of operational changes; description of visual observations of the unit for leaks or fouling; and off - haul of hazardous wastes. The records shall be available to the District staff upon request.



WASTEWATER DISCHARGE PERMIT

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions

Tony's Express Auto Service
Permit No. 504-27421
Page No. 2

REPORTING REQUIREMENTS

- I. Violations shall be reported in accordance with Section B, Paragraph II of STANDARD TERMS AND CONDITIONS, July 2000 Edition.
- II. Tony's Express Auto Service shall submit technical reports due on the following dates:

<u>Date Due</u>	<u>Reporting Period</u>
June 14, 2000	November 15, 1999, through May 14, 2000
December 14, 2000	May 15, 2000 through November 14, 2000

The technical reports shall contain the following information, at a minimum:

- 1. Self-monitoring reports prepared in accordance with the "Self-Monitoring Reporting Requirements" of this Permit.
- 2. Monthly readings from the flow totalizer measuring volume of the pretreatment system effluent.
- 3. Volume of groundwater pumped and treated during the reporting period, and a total to date.
- 4. Description of any operational changes occurred during the reporting period.
- 5. Certification and signature prepared in accordance with Section B Part V of STANDARD TERMS AND CONDITIONS, July 2000 Edition, "Signature Requirements".

WASTEWATER DISCHARGE LIMITATIONS

Tony's Express Auto Service shall not discharge wastewater from a side sewer into the community sewer if the strength of the wastewater exceeds the following local limits:

<u>REGULATED PARAMETER</u>	<u>DAILY MAXIMUM</u>
Benzene	0.005 mg/L
Toluene	0.005 mg/L
Ethylbenzene	0.005 mg/L
Xylenes, total	0.005 mg/L



WASTEWATER DISCHARGE PERMIT

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions

Tony's Express Auto Service

Permit No. 504-27421

Page No. 3

SELF-MONITORING REPORTING REQUIREMENTS

- I. Tony's Express Auto Service shall monitor and sample the wastewater discharge into the community sewer in accordance with Section C of STANDARD TERMS AND CONDITIONS, July 2000 Edition. The sampling shall be performed at the locations and frequency for the parameters specified below.
- II. Self-monitoring reports shall contain all laboratory results and the corresponding chain of custody documentation, and signatory requirements.
- III. The Sample location shall be the sample tap located on the effluent side of the second (final) Liquid Phase GAC. This sample location shall be referred to as Process Sample Point #1 (PSP #1) in all reports. PSP #1 is shown in Tony's Express Auto Service System Flow Diagram (Figure 3) and Schematic Flow (Figure 4).
- IV. Tony's Express Auto Service shall sample wastewater from PSP #1, at a minimum, quarterly for the following parameters:

Parameter	Sample Type	EPA Method
Benzene	grab	8020 or 624
Toluene	grab	8020 or 624
Ethylbenzene	grab	8020 or 624
Xylenes	grab	8020 or 624



WASTEWATER DISCHARGE PERMIT

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions

Tony's Express Auto Service
Permit No. 504-27421
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MONITORING and TESTING CHARGES

EBMUD Inspections Per Year: 2 @ \$540.00 each = \$1,080.00 /year

Analyses Per Year:

Parameter	Tests per year	Charge per test	Total Charge per year
EPA 624	2	\$127.00	\$254.00

Total Monitoring and Testing Charge = \$1,334.00 /year
\$111.17 /month

WASTEWATER DISPOSAL SERVICE CHARGE

All wastewater discharged will be charged for treatment and disposal service at the Business Classification Code (BCC) unit rate for 4950, Sanitary Collection and Disposal, or 'All other BCC's'. Wastewater charges are determined by multiplying the metered consumption by the percent discharged, adding any fixed volume, and multiplied by the treatment charge.

Unit Rate = \$0.40 /Ccf
 Discharge Volume = 293 Ccf/mo. (based on 7,200 gpd average)
 Wastewater Disposal Charge = \$117.20 /mo.

WASTEWATER CAPACITY FEE

The capacity fee is calculated by multiplying the maximum monthly wastewater discharge volume by the applicable fee in effect at start-up. The capacity fee is based on the maximum monthly discharge of 14,000 gpd or 569 Ccf/month.

Capacity Fee Rate for Flow: \$ 47.71/Ccf/Mo. * 569Ccf/mo. = \$27,146.99
 CODF: 15mg/l * 0.00624 * 569 Ccf/mo. = 53lbs.
 Capacity Fee Rate for CODF: (\$8.68/lb/mo.) = 53 lbs * \$8.68/lb/mo. = \$460.04
 TSS: 2 mg/l * 0.00624 * 569 Ccf/mo. = 7.1 lbs
 Capacity Fee Rate for TSS: (\$19.30/lb/mo.) = 7.1 lbs * \$ 19.30/lb/mo/ = \$137.03
 Total Capacity Fee = \$27,744.06
 Monthly Capacity Fee over 36 months = \$770.67



WASTEWATER DISCHARGE PERMIT

REVISION EFFECTIVE JULY 1, 2000 Terms and Conditions

Tony's Express Auto Service
Permit No. 504-27421
Page No. 5

FEES AND WASTEWATER CHARGES

The following fees and charges are due when billed by the District:

Permit Fee:	\$2,490.00
Monthly Capacity Fee	\$770.67
Monthly Monitoring Charge:	\$111.17
Monthly Wastewater Disposal Charge:	\$117.20

Total Monthly Charges = \$999.04

APPENDIX B

Laboratory Results and Chain of Custody Forms

WATER • WASTE WATER • HAZARDOUS WASTE • FUEL • AIR • SOIL

DELTA 

ENVIRONMENTAL LABORATORIES, Ltd

SOMA
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2333
Tony's Auto Express
3609 International Blvd.

Ref.: R5711400
Method: 5030 GCFID/
8020/8260
Sampled: 1/29/01
Received: 1/29/01
Matrix: Water
Analyzed: 2/6/01
Reported: 2/8/01
Units: ug/L
Analyst: DS

Attention: Frank Gioffi

Laboratory Results for TPH-G & MTBE Analysis

Analyte	EPA Method	Detection Limit ug/L	Results		
			Sample ID		
			Effluent	Influent	GAC-1
MTBE	8260	5.0	ND	413	ND
TPH-G	5030/GCFID	50	ND	7056	ND

ND: Not Detected (<MDL)

Delta Environmental Laboratories



Hossein Khosh Khoo, Ph.D.



ENVIRONMENTAL LABORATORIES, Ltd

Client:
SOMA
 2680 Bishop Drive, Suite 203
 San Ramon, CA 94583

Client Project ID:
 Proj 2333
 Tony's Auto Express
 3609 International Blvd.

Ref: R5711100
Method: 8260
Sampled: 1/29/01
Received: 1/29/01
Matrix: Water
Analyzed: 2/6-7/01
Reported: 2/8/01
Analyst: DS
Unit: ug/L

Attention: Frank Cioffi

Purgeable Hydrocarbons

EPA 8260

VOC

Analyte	Detection Limit ug/L	Results		
		Sample ID		
		Effluent	Influent*	GAC-1
Benzene	0.5	ND	481	ND
Bromobenzene	0.5	ND	ND	ND
Bromochloromethane	0.5	ND	ND	ND
Bromodichloromethane	0.5	ND	ND	ND
Bromoform	0.5	ND	ND	ND
Bromomethane	0.5	ND	ND	ND
n-Butylbenzene	0.5	ND	ND	ND
sec-Butylbenzene	0.5	ND	ND	ND
tert-Butylbenzene	0.5	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND
Chlorobenzene	0.5	ND	ND	ND
Chloroethane	0.5	ND	ND	ND
Chloroform	0.5	ND	ND	ND
Chloromethane	0.5	ND	ND	ND
2-Chlorotoluene	0.5	ND	ND	ND
4-Chlorotoluene	0.5	ND	ND	ND
Dibromochloromethane	0.5	ND	ND	ND
1,2-Dibromo-3-chloropropane	0.5	ND	ND	ND
1,2-Dibromoethane	0.5	ND	ND	ND
Dibromomethane	0.5	ND	ND	ND
1,2-Dichlorobenzene	0.5	ND	ND	ND
1,3-Dichlorobenzene	0.5	ND	ND	ND
1,4-Dichlorobenzene	0.5	ND	ND	ND
dichlorodifluoromethane	0.5	ND	ND	ND
1,1-Dichloroethane	0.5	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND
1,1-Dichloroethene	0.5	ND	ND	ND
cis-1,2-Dichloroethene	0.5	ND	ND	ND
trans-1,2-Dichloroethene	0.5	ND	ND	ND
1,2-Dichloropropane	0.5	ND	ND	ND
1,3-Dichloropropane	0.5	ND	ND	ND

ROSS



ENVIRONMENTAL LABORATORIES, Ltd

Client:
SOMA
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2333
Tony's Auto Express
3609 International Blvd.

Ref. R5711100
Method: 8260
Sampled: 1/29/01
Received: 1/29/01
Matrix: Water
Analyzed: 2/6-7/01
Reported: 2/8/01
Analyst: DS
Unit: ug/L

Attention: Frank Cioffi

Purgeable Hydrocarbons
EPA 8260
VOC

Analyte	Detection Limit ug/L	Results		
		Sample ID		
		Effluent	Influent*	GAC-1
2,2-Dichloropropane	0.5	ND	ND	ND
1,1-Dichloropropene	0.5	ND	ND	ND
Ethylbenzene	0.5	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND
Isopropylbenzene	0.5	ND	ND	ND
p-Isopropyltoluene	0.5	ND	ND	ND
Methylene Chloride	0.5	ND	ND	ND
Naphthalene	0.5	ND	70	ND
n-Propylbenzene	0.5	ND	ND	ND
Styrene	0.5	ND	ND	ND
1,1,1,2-Tetrachloroethane	0.5	ND	ND	ND
1,1,2,2-Tetrachloroethane	0.5	ND	ND	ND
Tetrachloroethene	0.5	ND	ND	ND
Toluene	0.5	ND	68	ND
1,2,3-Trichlorobenzene	0.5	ND	ND	ND
1,2,4-Trichlorobenzene	0.5	ND	ND	ND
1,1,1-Trichloroethane	0.5	ND	ND	ND
1,1,2-Trichloroethane	0.5	ND	ND	ND
Trichloroethene	0.5	ND	ND	ND
Trichlorofluoromethane	0.5	ND	ND	ND
1,2,3-Trichloropropane	0.5	ND	ND	ND
1,2,4-Trimethylbenzene	0.5	ND	385	ND
1,3,5-Trimethylbenzene	0.5	ND	112	ND
Vinyl Chloride	0.5	ND	1297	ND
Xylenes, Total	0.5	ND	ND	ND
cis-1,3-Dichloropropene	0.5	ND	ND	ND
trans-1,3-Dichloropropene	0.5	ND	ND	ND

ND: Not Detected

* Sample was diluted 10 times, so the detection limits must be multiplied by the same factor.

DELTA Environmental Laboratories

California Certification #1857

H. Khosh Khoo, PhD. 
Laboratory Director/President

ust 2

Quality Control Report

Client:
SOMA
 2680 Bishop Drive, Suite 203
 San Ramon, CA 94583

Client Project ID:
 Proj 2333
 Tony's Auto Express
 3609 International Blvd.

Ref. Q5711100
Matrix: Water
Unit: ug/L
Reported 2/8/01

Attention: Frank Cioffi

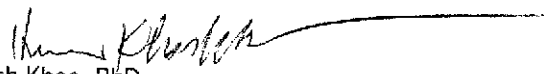
Surrogate Standard Recovery Summary
Method : EPA8260

Date Analyzed	Lab Id.	Percent Recovery		
		Pentafluoro-benzene	Toluene d8	p-Bromofluoro-Benzene
2/6/01	Blank	89	104	104
2/6/01	Blank	93	101	105
QC limit:		70-121	81-117	74-121

Date Analyzed: 2/6/01
 Sample Spiked: Blank

Matrix Spike Recovery

Analyte	Spike Added ug/L	Matrix Spike % Recovery	Matrix Spike Dup % Recovery	Relative % Difference RPD
1,1-Dichloroethene	20	109	118	7.9
Trichloroethene	20	104	101	2.9
Benzene	20	107	101	5.8
Toluene	20	105	99	5.9
Chlorobenzene	20	97	97	0.0
MTBE	20	112	110	1.8


 H. Khosh Khoo, Ph.D.,
 Laboratory Director/President

Quality Control Report

SOMA

2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client Project ID:
Proj 2333
Tony's Auto Express
3609 International Blvd.

Ref.: Q 5711400
Method: 5030 GCFID/
8020/8015M
Sampled: 1/29/01
Received: 1/29/01
Matrix: Water
Analyzed: 2/6/01
Analyst: DS
Reported: 2/8/01
Units: ug/L


Sample Spiked: Blank

Attention: Frank Cioffi

Quality Control Report for TPH-G Analysis

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
MTBE	5	ND	20	112	110	1.8	8260
TPH-Gas,GC/FID	50	ND	400	96	110	13.6	5030

Delta Environmental Laboratories

H.Khosh Khoo, PhD., 
Laboratory Director/President

SOMA
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
2333
Tony's

Ref.: R5523400
Method 5030 GCFID/
8020
Sampled: 12/5/2000
Received: 12/6/2000
Matrix: Water
Analyzed: 12/12/2000
Reported: 12/15/2000
Units: ug/L
Analyst: DS

Attention: Naser Pakrou

Laboratory Results for TPH-g + BTEX, & MTBE Analysis

Analyte	EPA Method	Detection Limit ug/L	Results	
			Sample ID	
			GAC-1	Effluent
BTEX				
Benzene	8020	0.5	ND	ND
Toluene	8020	0.5	ND	ND
Ethylbenzene	8020	0.5	ND	ND
Total-Xylene	8020	1.0	ND	ND
MTBE	8020	5.0	ND	ND
TPH-g	5030/GCFID	50	ND	ND

ND: Not Detected (< MDL)

Delta Environmental Laboratories



Hossein Khosh Khoo, Ph.D.

Quality Control Report

SOMA

2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
2333
Tony's

Ref.: Q 5523400
Method 5030 GCFID/
8020
Sampled: 12/5/2000
Received: 12/6/2000
Matrix: Water
Analyzed: 12/12/2000
Analyst DS
Reported: 12/15/2000
Units: ug/L

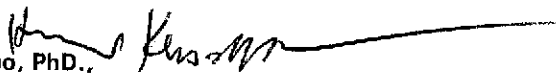
Sample Spiked: Blank

Attention: Naser Pakrou

Quality Control Report for TPH-H ,BTEX & MTBE

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
Benzene	0.5	ND	20	110	103	6.6	8020
Toulene	0.5	ND	20	105	102	2.9	8020
Ethylbenzene	0.5	ND	20	105	101	3.9	8020
T-Xylene	1.0	ND	40	103	100	3.0	8020
MTBE	5	ND	20	90	94	4.3	8020
TPH-Gas,GC/FID	50	ND	400	96	102	6.1	5030

Delta Environmental Laboratories


H. Khosh Khoo, PhD.,
Laboratory Director/President

Delta Environmental Laboratories

Chain of Custody (COC) Form

685 Stone Road #11 & 12
 Benicia, Ca, 94510
 (707) 747-6081, 800-747-6082 FAX (707) 747-6082
 Project Name 2333

Results to: Naser Pakrou
 Client Name: SOMA Environmental
 Address: _____
 City: _____
 Telephone: (925) 244-6600 Fax: (925) 244-6601
 SAMPLER (signature): _____
 Turnaround Time: Standard

No. of containers	Analysis Requested										
	pH	Temperature	TPH-g	BTEX	8091	MTBE	8060				

Tony's
 LAB ID _____
 Ref # _____
5523

Special Instructions::

#	Sample ID	Date	Time	Matrix	No. of containers	pH	Temperature	TPH-g	BTEX	8091	MTBE	8060						Comments
1	GAC-1	12/5	5:00	Water				/	/									
2	Effluent	12/5	5:00	Water				/	/									

Relinquished by: <u>[Signature]</u>	Date: <u>12/6/00</u>	1) Have all samples received been stored on ice? _____
Received By: <u>Lisa Ferris</u>	Date: <u>12/6/00</u>	2) Did any VOA samples received have any head space? _____
Relinquished by: _____	Date: _____	3) Were samples in appropriate containers and packaged properly? _____
Received By: _____	Date: _____	4) Were samples received in good condition? _____

For Lab Use Only:

SOMA
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
Proj 2333
Tony's Auto
Oakland, CA

Ref: R5488400
Method: 5030 GCFID/
8020/8260
Sampled: 11/24/00
Received: 11/24/00
Matrix: Water
Analyzed: 12/4/00
Reported: 12/5/00
Units: ug/L
Analyst: DS

Attention: Dr. M Sepehr


Laboratory Results for TPH + BTEX & MTBE Analysis

Analyte	EPA Method	Detection Limit ug/L	Results		
			Sample ID		
			Effluent	Influent	GC-1
BTEX					
Benzene	8020	0.5	ND	840	ND
Toluene	8020	0.5	ND	250	ND
Ethylbenzene	8020	0.5	ND	ND	ND
Total Xylene	8020	1.0	ND	990	ND
MTBE	8020	5.0	ND	190*	ND
TPH-g	5030/GCFID	50	ND	7645	ND

ND: Not Detected (<MDL)

*MTBE was confirmed by GC/MS, EPA 8260

Delta Environmental Laboratories


Hossein Khosh Khoo, Ph.D.

Quality Control Report

SOMA

2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
Proj 2333
Tony's Auto
Oakland, CA

Ref.: Q 5488400
Method: 5030 GC/FID/
8020
Sampled: 11/24/00
Received: 11/24/00
Matrix: Water
Analyzed: 12/4-5/00
Analyst: DS
Reported: 12/5/00
Units: ug/L

Sample Spiked: Blank

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
Benzene	0.5	ND	20	92	92	0.0	8020
Toulene	0.5	ND	20	91	96	5.3	8020
Ethylbenzene	0.5	ND	20	93	92	1.1	8020
T-Xylene	1.0	ND	40	93	92	1.1	8020
MTBE	5	ND	20	77	80	3.8	8260
TPH-Gas,GC/FID	50	ND	400	91	91	0.0	5030

Delta Environmental Laboratories


H. Khosh Khoo, PhD.,
Laboratory Director/President

Results to: Naser Pakrou

Client Name SOMA

Address _____

City _____

Telephone 925 244 6600 Fax: 925 244 6601

SAMPLER (signature) [Signature] Naser Pakrou

Turnaround Time Standard

Analysis Requested	
No. of containers	TEMP - BTEX MTBE
Temperature	

Project Name Proj 2333

LAB ID Tony's Auto

Ref # Express. Int. Blvd
Oakland CA

5488

Special Instructions:

#	Sample ID	Date	Time	Matrix	No. of containers	Temperature	Comments
1	Effluent	11/24	3:00	H ₂ O	2	✓	Confirm MTBE Peaks
2	Influent					✓	with 2260
3	GAC					✓	

Relinquished by: <u>[Signature]</u>	Date: <u>11/24</u>	1)	Have all samples received been stored on ice? <u>y</u>
Received By: <u>[Signature]</u>	Date: <u>11/24</u>	2)	Did any VOA samples received have any head space? <u>no</u>
Relinquished by: _____	Date: _____	3)	Were samples in appropriate containers and packaged properly? <u>y</u>
Received By: _____	Date: _____	4)	Were samples received in good condition? <u>y</u>

For Lab Use Only:

SOMA
2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
Proj 2333
Tony's Auto
Oakland, CA

Ref.: R5430400
Method: 5030 GCFID/
8020
Sampled: 11/1/2000
Received: 11/3/2000
Matrix: Water
Analyzed: 11/7/2000
Reported: 11/14/2000
Units: ug/L
Analyst: DS

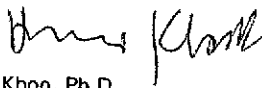
Attention: Dr. M Sepehr

Laboratory Results for TPH + BTEX & MTBE Analysis

Analyte	EPA Method	Detection Limit ug/L	Results	
			Sample ID	
			Gac-1	Effluent
BTEX				
Benzene	8020	0.5	ND	ND
Toluene	8020	0.5	ND	ND
Ethylbenzene	8020	0.5	ND	ND
Total-Xylene	8020	1.0	ND	ND
MTBE	8020	5.0	ND	ND
TPH-g	5030/GCFID	50	ND	ND

ND: Not Detected (<MDL)

Delta Environmental Laboratories



Hossein Khosh Khoo, Ph.D.

Quality Control Report

SOMA

2680 Bishop Drive, Suite 203
San Ramon, CA 94583

Client project ID:
Proj 2333
Tony's Auto
Oakland, CA

Ref.: Q 5430400
Method 5030 GC/FID/
8020
Sampled: 11/1/2000
Received: 11/3/2000
Matrix: Water
Analyzed: 11/7/2000
Analyst DS
Reported: 11/14/2000
Units: ug/L


Sample Spiked: Blank

Attention: Dr. M Sepehr

Quality Control Report for TPH ,BTEX & MTBE

Analyte	Detection Limit ug/L	Sample Result ug/L	Spike Added ug/L	% MS Recovery	% MSD Recovery	Relative % Difference RPD	Method
Benzene	0.5	ND	20	98	101	3.0	8020
Toulene	0.5	ND	20	99	104	4.9	8020
Ethylbenzene	0.5	ND	20	103	108	4.7	8020
T-Xylene	1.0	ND	40	101	107	5.8	8020
MTBE	5	ND	20	119	120	0.8	8020
TPH-Gas,GC/FID	50	ND	400	103	115	11.0	5030

Delta Environmental Laboratories


H. Khosh Khoo, PhD.,
Laboratory Director/President

