

Department of Environmental Protection



Jeb Bush Governor Southwest District 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 Telephone: 813-632-7600

Colleen M. Castille Secretary

May 1, 2006

Aqua Clean Environmental Company, Inc.

P. O. Box 7138

Lakeland, Florida 33807

Attn: Mr. W.D. Miller, General Manager

Dear Mr. Miller:

Re:

Case Closure

OGC Case 06-0695 FLR 000 034 033

A copy of the executed Consent Order for this case is attached for your files. The Department has received your check for \$5,000.00 in payment of the civil penalties. As all other conditions of the Consent Order have been met, the Department is closing this case file. If you have any questions, please call Elizabeth Knauss at 813/632-7600 ext. 383.

Sincerely,

William Kutash

Waste Program Administrator

Southwest District

cc: Ron Noble, Fowler White

Bruce W. Kates, Carillon Lakes Homeowners' Representative

Jeff Pallas, USEPA Region IV Arthur Lieberman, Polk County

Steve Ray, HWR Section

Lea Crandall, OGC

compliance file

WMK/ebk



Department of Environmental Protection

Jeb Bush Governor Southwest District 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 Telephone: 813-632-7600

Colleen M. Castille Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. W.D. Miller, Registered Agent Aqua Clean Environmental Company, Inc. 3210 Whitten Rd. Lakeland, FL 32811 Appropries of Environmental Protection

APR 24 2006

Southwest District

SUBJECT:

Proposed Settlement of Aqua Clean Environmental Company, Inc.

FLR000034033 - Polk County

OGC File No.: 06-0659

Dear Mr. Miller:

The purpose of this letter is to complete the resolution of the matter previously identified by the Department in the Warning Letter dated November 7, 2005 a copy of which is attached. The Department finds that you are in violation of the rules and statutes cited in the attached Warning Letter. The corrective actions required to bring your facility into compliance have been performed. In order to resolve the matters identified in the attached Warning Letter, you are assessed civil penalties in the amount of \$4,500.00, along with \$500.00 to reimburse the Department costs, for a total of \$5,000.00. The civil penalty in this case includes one violation of \$2,000.00 or more.

The Department acknowledges that the payment of these civil penalties by you does not constitute an admission of liability. This payment must be made payable to the Department of Environmental Protection by cashier's check or money order and shall include the OGC File Number assigned above and the notation "Ecosystems Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637, within 15 days of your signing this letter.

Your signing this letter constitutes your acceptance of the Department's offer to resolve this matter on these terms. If you elect to sign this letter, please return it to the Department at the address indicated above. The Department will then countersign the letter and file it with the Clerk of the Department. When the signed letter is filed with the Clerk, the letter shall constitute final agency action of the Department, which shall be enforceable pursuant to Sections 120.69 and 403.121, Florida Statutes.

Aqua Clean Environmental Company, Inc. FLR000034033
OGC Case 06-0659

If you do not sign and return this letter to the Department at the District address within 15 days of receipt, the Department will assume that you are not interested in settling this matter on the above described terms, and will proceed accordingly. None of your rights or substantial interests are determined by this letter unless you sign it and it is filed with the Department Clerk.

Deborah Getzoff
District Director

FOR THE RESPONDENT:

		Aqua Clean Environmental Company, Inc., ETTLEMENT OFFER IDENTIFIED ABOVE.
By: Mhallandar Date: 412	406	· - -
		ENT USE ONLY

Southwest District

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Deborah A. Getzoff District Director

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to §120.52, Florida Statutes, With the designated Department Clerk, receipt of which is hereby Acknowledged.

Setty Say th 5/1/2006 Clerk Date

Copies furnished to: Ron H. Noble, Fowler White Boggs Banker P.A. Lea Crandall, OGC

NOTICE OF RIGHTS

Persons who are not parties to this Consent Order but whose substantial interests are affected by this Consent Order have a right, pursuant to Sections 120.569 and 120.57, Florida Statutes, to petition for an administrative hearing on it. The Petition must contain the information set forth below and must be filed (received) at the Department's Office of General Counsel, 3900 Commonwealth Boulevard, MS-35, Tallahassee, Florida 32399-3000, within 21 days of receipt of this notice. A copy of the Petition must also be mailed at the time of filing to the District Office named above at the address indicated. Failure to file a petition within the 21 days constitutes a waiver of any right such person has to an administrative hearing pursuant to Sections 120.569 and 120.57, Florida Statutes.

The petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner; the Department's Consent Order identification number and the county in which the subject matter or activity is located; (b) A statement of how and when each petitioner received notice of the Consent Order; (c) A statement of how each petitioner's substantial interests are affected by the Consent Order; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Consent Order; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Consent Order; (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Consent Order.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the subject Consent Order have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 21 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Sections 120.569 and 120.57, Florida Statutes, and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-106.205, Florida Administrative Code.

Mediation under Section 120.573, Florida Statutes, is not available in this proceeding.



Department of Environmental Protection

Emp

Jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

November 7, 2005

Colleen M. Castille Secretary

Mr. W. D. Miller Aqua Clean Environmental Company, Inc. P. O. Box 7138 Lakeland, Florida 33807

Re:

FLR 000 034 033

Warning Letter #289536

Polk County

Dear Mr. Miller:

The purpose of this letter is to advise you of possible violations of law for which you may be responsible, and to seek your cooperation in resolving the matter. A hazardous waste program field inspection conducted beginning July 7, 2005 indicates that violations of Florida Statutes and Rules may exist at the above referenced facility. Department of Environmental Protection personnel made observations described in the attached inspection report. Section 10 of the report lists a summary of alleged violations of Department Rules.

Sections 403.161 and 403.727, Florida Statutes (F.S.) provides that it is a violation to fail to comply with rules adopted by the Department. The activities observed during the Department's field inspection and any other activities at your facility that may be contributing to violations of Florida Statutes or Department Rules should cease.

You are requested to contact Elizabeth Knauss at (813)744-6100, extension 383, within fifteen (15) days of receipt of this Warning Letter to arrange a meeting to discuss this matter. The Department is interested in reviewing any facts you may have that will assist in determining whether any violations have occurred. You may bring anyone with you to the meeting that you feel could help resolve this matter.

Please be advised that this Warning Letter is part of an agency investigation, preliminary to agency action in accordance with Section 120.57(5), F.S. If after further investigation the Department's preliminary findings are verified, this matter may be resolved through the entry of a Consent Order which will include a compliance schedule, an appropriate penalty, and reimbursement of the Department's costs and expenses. In accordance with the Environmental Litigation Reform Act, the penalties which would be assessed in this case are \$6,000.00. Costs and expenses are estimated at approximately \$500.00.

If this investigation confirms that your facility is significantly out of compliance, and the case is not resolved through timely entry of a Consent Order, under the Department's agreement with the EPA, a formal referral for judicial action must be made to the Department's Office of General Counsel. We look forward to your cooperation in completing the investigation and resolution of this matter.

Sincerely yours,

Deborah A. Getzoff District Director Southwest District

DAG/ebk

Attachment

cc: Ron Noble, Fowler White Arthur Lieberman, Polk County Steve Ray, HWR Section Jeff Pallas, USEPA Region IV Compliance File



Department of Environmental Protection

Jeb Bush Governor Southwest District 3804 Coconut Palm Drive Tampa, Florida 33619

Colleen M. Castille Secretary

HAZARDOUS WASTE INSPECTION REPORT

1.	INSPECTION TYPE: 🗵	Routine Complaint Follow-Up Permitting Pre-Arranged
	NAME Aqua Clean En	vironmental Company, Inc. EPA ID # FLR000034033
. '	STREET ADDRESS	3210 Whitten Rd., Lakeland, Florida 33811
	MAILING ADDRESS	P. O. Box 7138, Lakeland, Florida 33807
•	COUNTY Polk	PHONE 863/712-6630 DATE 7/7/05 TIME 12:30 pm
NO	OTIFIED AS:	A CURRENT STATUS:
2.	Non Handler CESQG (<100 kg/n SQG (100-1000 kg) Generator (>1000 l Transporter Transfer Facility Interim Status TSD TSD Facility Unit Type(s): Exempt PCW Treat Used Oil: Transport APPLICABLE REGULA 40 CFR 261.5	/mo.) SQG (100-1000 kg/mo.) Generator (>1000 kg/mo.) Transporter Transfer Facility Facility Interim Status TSD Facility TSD Facility Unit Type(s): ment Facility PCW Treatment Facility ter/Transfer Used Oil: Transporter
	☐ 40 CFR 265 ☑ 40 CFR 279	☐ 40 CFR 266 ☐ 40 CFR 268 ☐ 40 CFR 273 ☐ 62-710, FAC ☐ 62-737, FAC ☐ 62-740, FAC
3.	RESPONSIBLE OFFICI	
	W. D. Miller, General Mar	lager
4.	INSPECTION PARTICION W.D. Miller, General Mana	PANTS:
=	I A THE THE CALCULATION IN	
5.	LATITUDE/LONGITUD	E 20° 00' 18.7" 82° 02' 33.4"
5.	SIC Code: 4953	NAICS Code: 562219
7.	TYPE OF OWNERSHIP:	Private Federal State County Municipal
	PERMIT #: N/A	

"More Protection, Less Process"

Printed on recycled paper.

9. PROCESS DESCRIPTION:

Aqua Clean Environmental Company, Inc. is a centralized wastewater treatment facility that accepts commercial and industrial waste water, treats it, and then discharges it to the City of Lakeland public sewer system. Aqua Clean is a registered used oil transporter and transfer facility. The facility's main business is treating industrial waste waters including petroleum contact water. The facility has a 50,000 GPD centralized waste treatment (CWT) pretreatment permit under the Clean Waste Act. Aqua Clean is not a "designated facility" as defined in 40 CFR 260.10 and is therefore not permitted to accept hazardous waste for treatment. Aqua Clean would need to file a new EPA Form 8700-12 as a treatment facility or recycler and comply with the manifest system to accept hazardous waste. According to Mr. Miller, the company does not transport conventional used oil or hazardous waste. He refers customers needing used oil disposal to other facilities.

On the first day of the inspection, Mr. Miller said that Aqua Clean had not recycled any of their treatment process residuals for several years. The system includes an oil/water separator. However, the company had not shipped separated oily wastes or recovered product for further processing and energy recovery. Mr. Miller said that for the past several years, the material removed from the separator and emulsified oil from the phase separation tanks have been solidified with the other sludges for disposal to a landfill. He said that the tank marked "used oil" associated with the separator was not being used. The company recently disposed of a mixture of gasoline and water from an emergency response because the waste contained too much petroleum for them to process. Mr. Miller said that this waste was transferred directly from Aqua Clean's tanker to another transporter, On Time Environmental. It was not processed through the CWT plant. Miller said that no other waste had been disposed of to On Time or any other used oil processor for several years.

Aqua Clean has expanded their waste water treatment plant since the previous inspection. All waste water treatment is by batch process. Incoming waste water is gravity drained from tankers or vacuum trucks into a sump. At that time the company conducts a visual examination, and can collect a sample if there appears to be a problem with the waste such as a high solids content, pH problems, high BOD etc. If there appears to be a high solids content, the company can centrifuge the sample to determine solids content for billing purposes. Wastes with more than a given percentage of solids have a separate line item noted on the bill for solids management.

From the sump, water is pumped through a plate filter and then to a centrifuge that Miller referred to as a "tea kettle." This centrifuge can remove some solids from the water. Solids are conveyed to a small roll off. Mr. Miller contends that the roll off is part of the waste water treatment system, because water that separates from this waste, or any rain water that falls into the roll off is drained back into the treatment system. This roll off is on a concrete pad adjacent to the waste water treatment unit, but is not bermed to provide secondary containment. There was no attached piping for water removal. Pursuant to the definitions in 40 CFR 260.10, the roll off would not be part of the waste water treatment unit. Mr. Miller had not conducted a hazardous waste determination on these solids at the point of generation. The Department sampled this material on July 19, 2005, and determined that it was not characteristically hazardous.

From the centrifuge, the water is piped to a series of three tanks, where the water is treated with lime, poly aluminum chloride and then a polymer coagulant in the last tank. The treated waste water then passes through an inclined plate clarifier to remove coagulated solids. The waste water is then directed to one of 5 black waste water storage tanks. The tanks can be used for phase separation. Water can be removed from these tanks at several levels. Water that is fairly clear and free from solids or float is directed through an oil water separator to one of 3 white tanks for biological treatment.

According to Mr. Miller, some pretreated waste water is then transferred to the south treatment plant for aggressive aeration. Other waste water such as landfill leachate that does not require chemical pretreatment is off loaded directly to the south plant. This consists of 4 large white tanks used to aerate the waste water to remove BOD. Two of the tanks are used to aggressively aerate the water. Miller said that sludge was not produced in these tanks in any significant quantity. Sludge is removed biannually. The south plant is constructed with concrete secondary containment and a liner, but is not hard piped to the main treatment plant where the outfall is located. Water is currently transferred using flexible hoses, which run through a culvert under the driveway between plants.

Sludges that are removed from the system are all managed on a lined concrete pad adjacent to the north treatment plant. The pad has side berms about 6 inches high, except that a gap is present in the wall adjacent to the treatment plant which allows liquids to drain back to the waste water collection sump for re-treatment. Sawdust is placed in a circle on the pad, and sludge is placed in the center of the sawdust. The sawdust absorbs free liquids as they drain back towards the treatment plant. The sawdust is re-used until saturated, and then loaded into a roll off for disposal. The ends of the containment area have shallower "speed bump" type curbs.

Aqua Clean contends that the sludge treatment pad is not a waste pile but is an element of the tank system that comprises the facility's water treatment unit. Thus, Aqua Clean has determined that the point of generation for the solidified sludges is the point at which they are removed from the pad for disposal to a landfill. Mr. Miller acknowledged that the untreated sludges could exhibit the toxicity characteristic, but said that the treated sludges are tested monthly and have never been characteristically hazardous.

The solidified wastes are analyzed only for TCLP benzene and metals. Miller said that the samples are collected by his staff in Mason jars. The samples are shipped to an off site certified laboratory for analysis. The chain of custody sheets for the most recent samples indicate that the samples were not collected in the correct containers, and that headspace was present in samples collected for TCLP VOC analysis. This indicates that the Aqua Clean is not in compliance with FAC Rules 62-160.210 and 62-160.410 which require that all samples collected to demonstrate compliance with Department regulations be collected in accordance with Department Standard Operating Procedures, or equivalent.

EPA's Test Methods for Evaluating Solid Waste (SW-846) and DEP SOPs requires samples collected for volatile organic compound analysis by the TCLP method to be collected in teflon lined septum capped glass vials, with a minimum of head space. We recommended that Aqua Clean obtain their TCLP sampling containers from their analytical laboratory, and provide all sampling staff with training in the appropriate Standard Operating Procedures. Field records must be kept. In addition, Aqua Clean must maintain the samples on ice or in a refrigerator until custody is transferred.

Currently, most solids are disposed of to the Omni Environmental landfill in Holopaw, Fl. Some are still managed at the Waste Management Okeechobee landfill. No solids are being managed for product or energy recovery. Characteristically hazardous petroleum contact water is excluded from the definition of solid waste provided it is being recycled in accordance with FAC Rule 62-740. As Aqua Clean had not been processing PCW for product recovery, it was in violation of FAC Rule 62-740.300(3). Copies of the facility's annual reports for the past 3 years were obtained, stating that Aqua Clean has treated more than 2.5 million gallons of PCW and has not recovered any petroleum from this material. Aqua Clean may therefore not be eligible for an exemption from permitting as a hazardous waste treatment facility. Since the date of the inspection, Aqua Clean has begun shipping some recovered product for recycling.

During an inspection at MRC Precision Metal Optics, Inc., staff provided disposal records indicating that Aqua Clean was accepting the facility's electroless nickel plating waste water for treatment. The waste water was not characteristically hazardous. Because residuals from treating electroplating waste waters

generate sludges listed in 40 CFR 261.31 under EPA Waste No. F006, this issue was investigated more fully. MRC generates electroplating waste water as well as electroless plating waste water. It appears that MRC is taking steps to ensure that no electroplating waste waters or rinse waters from cleaning baths associated with their electroplating process are sent to Aqua Clean. These are segregated and managed as hazardous waste. Mr. Miller said that after they became aware of the Department's concerns in this area, they reviewed their customer list to determine whether any other customers were sending them plating type wastes. He said that the only other customer of this type is PCI of Titusville, which is disposing of neutralized sulfuric acid anodizing waste water to Aqua Clean. Jeff Hampton of PCI verified that none of the facility's chrome electroplating waste or aluminum phosphating waste water is mixed with the waste going to Aqua Clean. PCI neutralizes the material prior to shipment and is keeping copies of these records.

Aqua Clean treated the metal surface finishing waste waters after mixing them with the other received waste waters. The Department is concerned that Aqua Clean's pre acceptance procedures do not screen for wastes that have the potential to generate listed hazardous waste sludges. Electroless nickel plating and sulfuric acid anodizing of aluminum are exempted processes that do not generate listed sludge. Aqua Clean has not been found in violation of 40 CFR 262.11 at this time. However, to avoid future problems, the Department recommends that the waste profile forms be amended to address this issue.

Aqua Clean does not require all generators to submit an analysis prior to accepting their waste. Car wash cleanout waste is accepted as non-hazardous. Mr. Miller said that the company conducted a study where waste from about 50 car washes was analyzed and was always non-hazardous. Mr. Miller says that he requires an analysis prior to accepting potentially hazardous industrial waste water for treatment. However, petroleum contact water is not included in this category.

As part of this inspection, 3 samples of sludge and 1 sample of petroleum contact water were collected for TCLP analysis. The PCW, as expected, was characteristically toxic for benzene. None of the sludge samples were characteristically toxic.

10. Summary of Violations:

62-160.210 and 410 F.A.C.

Failure to comply with Department Standard Operating Procedures for collecting sludge samples for purposes of hazardous waste determinations.

62-740.300(3) F.A.C.

Failure to recover and recycle product from petroleum contact water under normal operating practices.

11. Recommended Corrective Actions:

62-160.210 and 410 F.A.C.

Collect all sludge samples immediately at the point of generation. Samples must be collected in glass jars with teflon lined septum caps, with a minimum of headspace. Minimize disturbance of the waste while sampling. Samples must be kept chilled and analyzed for purposes of hazardous waste determination within the time frames specified by the test method. The samples should be analyzed for TCLP metals and volatile organic compounds, not just benzene. Begin recording sampling information in accordance with DEP SOP FD1000.

ipany, Inc.

62-740.300(3) F.A.C.

Either begin recovering and recycling product from petroleum contact water or cease accepting characteristically hazardous petroleum contact water.

12. Recommendations:

40 CFR 262.11(b)

Revise the facility's waste profile form to have the generator indicate and certify whether the material will generate a listed hazardous waste sludge upon treatment.

IF SO, either

Segregate these waste waters for so that they may be disposed of to the sewer system without treatment that generates a sludge,

OR

Begin managing electroplating sludges as hazardous waste in accordance with 40 CFR 262.

Prepared by:

Elizabeth Knauss

Environmental Manager

Date

PROPOSED PENALTY SUBJECT TO FINAL APPROVAL

Violator's Name:A	<u> Iqua Clean Environmental Com</u>	oany, Inc.				
Identify Violator's Fa	cility: FLR000034033 3210	Whitten Rd., Lakela	nd, Polk County			
Name of Department Staff Responsible for the Penalty Computations: Elizabeth Knauss						
	•					
ComHaz Case #: _2	<u>89536</u>	Date: <u>revised</u>	2/27/06			

	Violation Type	Manual Guide	Statutory Penalty	Matrix Range	Other Adjustments	Total
,	non-RCRA	ELRA				
1	62-160.210 noncompliance with sampling SOPs	ELRA	403.121 (4)(d)- (5)	\$ 2,000 \$500		\$500
2	62-740.300(3) failure to recycle product reclaimed from petroleum contact water	ELRA	403.121(4)(b)	\$4,000		\$4,000
			. 1			
	Dep	partment Co	osts			\$500
		TOTAL			\$5,000	

<u>Violation #1 was initially assessed under Section 403.121(4)(d) F.S. as a failure to conduct required testing.</u> The Respondent requested that the citation be re-evaluated because the testing had been conducted, although there were problems with sample collection, documentation and preservation. The District agreed that these issues should be assessed under 403.121(5) F.S., as a failure to comply with the Department's quality assurance rules. The sampling was not conducted pursuant to a permit, but was for purposes of hazardous waste determination.

Deborah A. Getzoff

District Director Southwest District Date

Memorandum

Environmental Protection

SOUTHWEST DISTRICT ENFORCEMENT COVER MEMO

TO:

Deborah A. Getzoff, District Director

FROM/THROUGH:

William Kutash, Waste Program Administrator

James Dregne, Hazardous Waste Program Manager 5//

Elizabeth Knauss, HW Enforcement Coordinator

DATE:

5/1/06

FILE NAME: Aqua Clean Environmental Co.

County: Polk

PROGRAM: Hazardous Waste

OGC Case# 06-0659

TYPE OF DOCUMENT:

SHORT FORM CONSENT ORDER FOR EXECUTION

CASE CLOSURE LETTER

DESCRIPTION OF VIOLATIONS: Aqua Clean Environmental is a centralized wastewater treatment facility that accepts petroleum contact water (PCW) for treatment and discharge to the City of Lakeland sewer system. The facility was not complying with the terms of the PCW exclusion by failing to reclaim product for the past 3 years while accepting PCW for treatment. The facility had also not updated sampling procedures to comply with Department Standard Operating Procedures as required by the Department's revised Quality Assurance rule.

STATUS OF CORRECTIVE ACTIONS: Completed

PENALTY ASSESSMENT:

The penalty assessment in this case under ELRA is \$4,500, and Department costs are \$500.

PENALTY:

Amount: \$4,500.00

Costs & Expenses:

<u>\$500</u>

ses. <u>φουυ</u>

Total:

Agreed to by Respondent? Yes_

\$5,000.00

ATTACHMENTS:

Consent Order for Execution

Consent Order Exhibit (Warning Letter #289536)

Bruce Kates 4014 Whistlewooder Lakeland 33811

PETITION OF THE PROPERTY OWNERS BC PERING AQUA CLEAN ENVIRONMENTAL COMPANY

We, the Property Owners, signing below all reside in Carillon Lakes a residential community bordering Aqua Clean Environmental Co. which is located at 3210 Whitten Road in Lakeland, Florida. By signing below we are hereby making Petition to request that the Florida Department of Environmental Protection make arrangements to have air quality added as standards to be met by Aqua Clean Environmental Co. for the following (but not limited to) reasons:

Many neighbors both bordering Aqua Clean and those quite some distance from the operation have witnessed strong odors ranging from the smell of natural gas or methane to raw garbage. These odors are particularly evident after heavy rains which in addition to smell, raises concerns of pollution run off.

Because the treatment of the sludge waste from Aqua Cleans industrial waste water processes are combined with sawdust on an open pad, there is obviously no process currently in place to limit the odors from leaving the process area.

Odor may be offensive to the smell, but the undersigned are concerned that the odor may be a sign of something more dangerous. According to Incident No. 03-12718-000 reported by the Lakeland Fire Department there was a fire that had be extinguished at the Aqua Clean facility. The exact cause of the fire was not accounted for as the report cited from the excerpts below:

"Part of the process is adding "Quick Lime" (dry lime) to the wastewater dependent on the Ph level of the wastewater."

"The exact point of origin is undetermined due to the extensive damage all along the row of tanks."

"In speaking with Mr. Miller it is believed that the cause of the fire is due to "Quick Lime" being accidentally spilled and coming into contact with sawdust which is mixed in with this waste material in the containment area. The reaction between the materials creating heat which would lead to smoldering and an eventual open flaming state if left unchecked."

According to a reputable Encyclopedia the Safety dangers of just Quick Lime alone are:

Ingestion: - Dangerous - causes GI irritation, larger doses could be fatal.

Inhalation: - Dangerous - irritation; chemical bronchitis or even death for larger exposures.

Skin: - Irritation and possible burns.

Eyes: - May cause permanent damage.

What are the airborne dangers of the other materials in mixture? If materials left unchecked at the Aqua Clean facility were dangerous enough to self ignite, then both the smell and other dangers should be evident. By adding air quality to the standards for Aqua Clean, the residential property owners as listed below would feel better served by the DEP that at least another tier of safety would be in place. This petition is therefore respectfully submitted.

Beth:
Please put this
in the Agrea
Clean file

The Fore

The list of residents of Carillon Lakes below, are bothered by either the noise, odor or concerns of what dangerous materials may be stored close to their homes by Aqua Clean Environmental.

of what dangerous materials may be stored	close to their homes by Aqua Clean Enviro		
Signature //	Name Printed	Address	Date / /
signature J. Wates	Bruce W. Kates	4014 Whistlewood Circle	2/4/06
Mary A. Kater	MARY A. KATES	4014 Whistlewood Circle	2/4/06
Ü	HOPE PEART	3987. Whistlewood Circle	2/4/06
	ARACELY ARZY	3981 Whistlewood	
Randall Bru	RANDALL BROWN	3984 whistlewood	2/4/00
Maureen Jagan	MAURIEN FAGAN	3972 Whistlewood Car	2/6/06
1		(Crockerman Oftmail	com)
Larder Larron	Sandy Lannon	3173 Bellflowerlung	2-19-06
Ken Hujet -	4044 Whistlewood	· · · · · · · · · · · · · · · · · · ·	2/20/01
My JEthants	postarm@stt.net	(410) 374 - 4233	2/25/06
(Michael E. Fahnertock)	postsim@st.net		
Sue Grapes/JERRY MORA	0,619-7206	400/10/his/cord Cire	8-25-0
LÉSZÉK GAMNA MOWOGRUDZKI		9023WHISTIFWOOD CIR. 709-1970	2-25-0
Jerry & Landra Work	Jarry & Sandra Motz	3930 Whistlewood Circle	2-25-01
REGIS + EDE FINNEGAN		4162 WINDCHIME LANE	3-9-06
Jean Burnand	JEAN BIARNAND	413 Windchime Ln	3-906
Ghyllis Perkins	PHYLLIS PERKINS	4498 Whistlewood Cing	3/9/06
Town Town	CAROL K. CARON	4481 Whistlewood	3/9/06
			//

The list of residents of Carillon Lakes below, are bothered by either the noise, odor or concerns of what dangerous materials may be stored close to their homes by Agua Clean Environmental.

of what dangerous materials may be store	d close to their homes by Aqua Clean Enviro	nmental.	
Signature //	Name Printed	Address	Date
Thomas Rossley	Thomas (rossher	4365WhistLewood Cir. =	3-12-06
Inn Morris	Ann Morris	4220 Windchime Ln.	3-12-06
Theres 88 Moses	Jun Morris	11 11 -1 :	
July Voir	KAthyn Koch	3869 Seronade, LN	2-12-6
Gat Perkins	PAT PERKINS	4498 Whistlewood Cir	3/12/06
Juga Setlerffir	Joyce Schleiffer	3240 Bellflower Way	3-12-04
Sul Hombas	Sue Grambos	4011W Mishlawood	3-12-0
	John VAN RILTSELSEN	8163 Bell Flower WAY	3-12-06
Cecella Freed	WILLIAM T. FREUND	3931 WINDCHIMC LU.	5-17-06
Jasura J. Harding	Jesusa T- Harding	4416Whistlewood Cir	3/12/01
Gal Lybuding	Cool L. Harding	11	3/12/06
Can Slight	Pam STephens	3096 Bell Hower hay	3/12/00
Sown Atuh	EDWARD J. HAWKS		
Joan Gullerton	JOAN FULLERTON	3368 SONGBIAN LN	3/17/0
· Pull Dulle	Riss Freembra	.,	
Carl Trule	Contrittle	4307 WhistlewoodCir	3/12/06
Gerage, Vityle	George Title	4109 Whistlewood Cir	3/12/0
wey Most	FRANK H TOD	3006 BERLILOWIN WAY	3/12/0
Keinen Low	GEORGE W LANDA	3173 BELLFLOWER WAY	3/12/01
Saidra Lanon		3173 Beriflower Way	3/12/06
0		l	

The list of residents of Carillon Lakes below, are bothered by either the noise, odor or concerns of what dangerous materials may be stored close to their homes by Agua Clean Environmental.

of what dangerous materials may be store	d close to their homes by Aqua Clean Enviro	nmental.	
Signature /	Name Printed	Address	Date .
Kent Harris	KENT HAUTENS	4237 WHISTERWOOD GR	3/12
Plot Well	Robert Wilton	4236 Wind chiano Lago	3/12/0
ann M. Schneby	Ann M. Schraden	3246 Belt louen	2-12-0
an Calar	Ann J Caldu	3367 Songbird Un	3-12-01
Thanks Alder	CHARLES A. CALDER	3367 SONGBIRD LN	3-12-06
Kathey & Eade	Kathryn S. Eades	3314 Soughird hn	3-12-06
2 Lucio Grafe	W. Lucin Graff	3284 Songbeid Lu	3-120
Show Munter	GARY G. WINTERS	3380 SONGAIRD LN	3-12-200
Tunda alkatt	Jim - Linder Abbolt	4051 Windchins LN	3-12.6
Dieva a Bul Chris	Meet Dicercia in the	1175 Wind Chine	3-12-
Bon- Ron	Bonnie Roberge	3199 BULLOUGE WILL	3/12/00
Beverly Dalin	BENERLY DATIA	4397 Whe Neword Cirl	3/12/06.
heilafrene Joggin	KEILA RIENE GOGGIA	5 4344 WHISTLEWOOD CIKE	5 3/12/07
Tell Pote	I've Royanan	4329 Whatewood	3/12/0
Marston Crim.	MARSHA CRIM	4323 Whisthwood	3/12/0
Karline Morrelt	Pearline A MowAH	4218 Whistlewood arel	3/12/06
Barardelle Mary	BERMONTE HOAPS	2995 BELIFIDURE WAY	3/n/80
To allow hallo	MOUNT HEARS	2795 BELFLOWER WAY	3/2/06
SALTO	Saul Botero	3239 Bellflower way	3/12/00
John Poolies	Olga P. Botero	3239 Bell Flower way	3/12/06
	\mathcal{J}^{-}	1	

01/6/2

The list of residents of Carillon Lakes below, are bothered by either the noise, odor or concerns of what dangerous materials may be stored close to their homes by Aqua Clean Environmental.

of what dangerous materials may be stored			
Signature //	Name Printed	Address	Date
for fire	ROBELT E. KELLO	4393 Whistlewas Cit LAKALAWA	3/14/06
98/Jal	JAMES S. HOLBROOM	4026 WHISTERWAD CIR.	3/16/6
Sandra Mot	gandra Motz	3090 Whistlewood Circle	3-16-06
Ju Dalia	RICH DAVIA	4397 WHISTLEWOOD CARCLE	3-12-0
Jun T. M.b.	JERRY TINYOTZ	3930 WhisTlewood Cace	3-12-0
Dottie Reinsch	Dorothy S. Reinsch	3920 Windeline In.	3-12-0
Helon fart	HELED Fanti	3369 Water Way	3-12-6
Klus Storowski	Thereon Lotomski	3381 Waterlute Way	3-12-1
sugged of Kulin	GERALD J. RUBIN	4488 WHISTLEWOOD CREEK	3/12/06
Havil Jom an	David Norman	2976 Bellflower	3-12-06
Rough Novah	ROWALN NOWAK	4272 WHISTLEWOOD CIRCLE	3-12-06
A Mary	SKIP Hassey [LESLIE	3410 Waterleite Way	3-12-4
17			
		:-	

	REA SAMO	er aph. 1 heren.			n Point Lo	Remittance		Sta			AF006A 5,000.00	Z X
1 m	SSN/FEH# First Address1 Address2	P.O. BOX I		·	viiddie			mments			a de la companya de l	
		vea WD	Object	-REIMBLEGAL	Paym E P Paym Amou	ent		F		status COMPLE COMPLE		
		QUENTLY							30313			
ا العام					\$5,000.00	Payment tot	a)	****			***	

Memorandum

Environmental Protection

	SOUTHWEST DISTRICT ENFORCE	EMENT COVER ME	EMO			
TO:	Deborah A. Getzoff, District	Director				
FROM/THROUGH: William Kutash, Waste Program Administrator 13						
	James Dregne, HazardousElizabeth Knauss, HW Enfo	-	_			
DATE:	4/3/06					
FILE NAME: Aq	ua Clean Environmental Co.	County: I	Polk			
PROGRAM: Ha	zardous Waste	OGC Case# (06-0659			
TYPE OF DOCUME	ENT: ☐ DRAFT OR ☐ FINAL	SHORT FOR CONSENT C				
DESCRIPTION OF VIOLATIONS: Aqua Clean Environmental is a centralized wastewater treatment facility that accepts petroleum contact water (PCW) for treatment and discharge to the City of Lakeland sewer system. The facility was not complying with the terms of the PCW exclusion by failing to reclaim product for the past 3 years while accepting PCW for treatment. The facility had also not updated sampling procedures to comply with Department Standard Operating Procedures as required by the						

STATUS OF CORRECTIVE ACTIONS: The facility completed all corrective actions promptly

PENALTY ASSESSMENT:

Department's revised Quality Assurance rule.

The penalty assessment in this case under ELRA is \$4,500, and Department costs are \$500.

The District initially evaluated one of the violations as a failure to conduct required monitoring, which has an associated ELRA penalty of \$2,000. However, as the facility was actually conducting the testing, but not entirely in accordance with the new Quality Assurance Rule revisions, the ELRA penalty for this violation was changed to \$500, from 403.121(4)(d) F.S. to 403.121(5) F.S. (See penalty computation worksheet.)

PENALTY:

Amount: \$4,500.00

Costs & Expenses: \$500

> \$5,000.00 Total:

Agreed to by Respondent? Yes_

ATTACHMENTS:

Consent Order for Execution

Consent Order Exhibit (Warning Letter #289536)

Penalty Assessment Worksheet

413 DEBORAH: We re-wrote the explanation of the penalty Assessment on the cover Meno AND rewrote the explanation can the permity woorksheet. 40



Department of Environmental Protection

Southwest District 13051 North Telecom Parkway Temple Terrace, FL 33637-0926 Telephone: 813-632-7600

Colleen M. Castille Secretary

April 10, 2006

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. W.D. Miller, Registered Agent Aqua Clean Environmental Company, Inc. 3210 Whitten Rd. Lakeland, FL 32811

SUBJECT:

Proposed Settlement of Aqua Clean Environmental Company, Inc.

FLR000034033 - Polk County

OGC File No.: 06-0659

Dear Mr. Miller:

The purpose of this letter is to complete the resolution of the matter previously identified by the Department in the Warning Letter dated November 7, 2005 a copy of which is attached. The Department finds that you are in violation of the rules and statutes cited in the attached Warning Letter. The corrective actions required to bring your facility into compliance have been performed. In order to resolve the matters identified in the attached Warning Letter, you are assessed civil penalties in the amount of \$4,500.00, along with \$500.00 to reimburse the Department costs, for a total of \$5,000.00. The civil penalty in this case includes one violation of \$2,000.00 or more.

The Department acknowledges that the payment of these civil penalties by you does not constitute an admission of liability. This payment must be made payable to the Department of Environmental Protection by cashier's check or money order and shall include the OGC File Number assigned above and the notation "Ecosystems Management and Restoration Trust Fund." Payment shall be sent to the Department of Environmental Protection, 13051 North Telecom Parkway, Temple Terrace, Florida 33637, within 15 days of your signing this letter.

Your signing this letter constitutes your acceptance of the Department's offer to resolve this matter on these terms. If you elect to sign this letter, please return it to the Department at the address indicated above. The Department will then countersign the letter and file it with the Clerk of the Department. When the signed letter is filed with the Clerk, the letter shall constitute final agency action of the Department, which shall be enforceable pursuant to Sections 120.69 and 403.121, Florida Statutes.

d on the reverse side?	SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Print your name and address on the reverse of this form so that we card to you. Attach this form to the front of the mailpiece, or on the back if space permit. Write 'Return Receipt Requested' on the mailpiece below the article. The Return Receipt will show to whom the article was delivered and delivered. 3. Article Addressed to:	I also wish to rectollowing services extra fee): 1. Addresse 2. Restricte Consult postmassumber	s (for an ee's Address d Delivery	eceipt Service.	
ete		003 226		50 6052	,
your RETURN ADDRESS completed on the reverse	W.D. MILLER, REGISERED AGENT AQUA CLEAN ENVIRONMENTAL CO. 3210 WHITTEN RD LAKELAND, FL 32811	7. Date of De	ed Mail ceipt for Merchandise	Certified Insured COD	Thank you for using Rete
Is your RET	6. Signature: (Addresseb or Agent) PS Form 3811, December 1994 10:	and fee is	Domestic Retu	ırn Receipt	Tha
	U.S. Postal ServiceTM CERTAFIED MAILTM R (Domestic Mail Only; No Insurant For delivery Information visit our web Postage Certified Fee Return Reciept Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required) Total Postage & W.D. MILLER, RI AQUA CLEAN E Street, Apt. No.; or PO Box No. LAKELAND, FL	EGISERED NVIRONMI	Provided) ps.com S E costmark Here AGENT		
	City, State, ZIP+4 PS Form 3800 June 2002	Son Poyo			

First-Class Mail Postage & Fees Paid United States Postal Service USPS Permit No. G-10 your pane, address, and ZIP Code in this box . APR 14 2006 State of Florida 171CT

Department of Environmental Protection Southwest District 98051 North Telecom Parkway Temple Terrace, FL 33637-0926 Beta Knows Wasten Might IIII IIII IIII

Aqua Clean Environmental Company, Inc. FLR000034033 OGC Case 06-0659

If you do not sign and return this letter to the Department at the District address within 15 days of receipt, the Department will assume that you are not interested in settling this matter on the above described terms, and will proceed accordingly. None of your rights or substantial interests are determined by this letter unless you sign it and it is filed with the Department Clerk.

Sincerely,

· .	District	h Getzoff Director vest District	alg fill	, q
FOR THE RESPONDENT:				
I, <u>W. D. Miller</u> HEREBY ACCEPT THE TER	on behalf ofA MS OF THE SET	Aqua Clean Enviro TLEMENT OFF	nmental Company ER IDENTIFIED	Inc., ABOVE.
By: Date:				:
<u>FO</u>	R DEPARTMENT	TUSE ONLY	· ,	
DONE AND ENTERED this	day of		_, 2006.	
		ORIDA DEPART MENTAL PROTE		
	Deborah A. Get District Directo	a contract of the contract of	· .	
FILING AND ACKNOWLEDGIFILED, on this date, pursuant to § With the designated Department Cacknowledged.	120.52, Florida Sta Clerk, receipt of wh			
Clerk Date		4		
Copies furnished to: Ron H. Not	ole, Fowler White P	Boggs Banker P.A.		

Lea Crandall, OGC



From:

Noble, Ron [rnoble@fowlerwhite.com]

Sent:

Monday, March 27, 2006 5:41 PM

To:

Knauss, Elizabeth

Subject: RE: Aqua Clean

Beth:

Aqua Clean cannot receive Certified Mail at that address. If you are going to use Certified Mail, please use the facility's street address at 3210 Whitten. Street address ZIP Code is 32811. If you are not sending Certified, the other address is fine.

Thanks,

Ron

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]

Sent: Monday, March 27, 2006 2:36 PM

To: Noble, Ron

Subject: RE: Aqua Clean

Thanks for the confirmation. I will send the short form Consent Order through channels today.

We have a new procedure where the draft has to be approved by the Secretary or her designee, so it may be a week or two before you see it.

Also - our policy it to send the order to the Respondent, and send a copy to his attorney. Should I send it to Mr. Miller at his "registered agent" address?

Mr. W.D. Miller, Registered Agent Aqua Clean Environmental Company, Inc. 86 Shadow Lane Lakeland, FL 32813

----Original Message----

From: Noble, Ron [mailto:rnoble@fowlerwhite.com]

Sent: Monday, March 27, 2006 2:06 PM

To: Knauss, Elizabeth

Cc: Dregne, James; Neves, Richard

Subject: RE: Aqua Clean

Beth:

Your characterization referenced below is correct. Product that is recovered by Aqua Clean from PCW.will be destined for recycling. Aqua Clean can do this through the types of facilities (and their competitors) listed as examples in my March 22, 2006 correspondence, as well as through brokers who will also have the product recycled. These alternatives will be influenced by economic costs and circumstances, however, recovered product will not be disposed in landfills. Please let me know if you have any further questions.

Ron Noble

Knauss, Elizabeth

From: Noble, Ron [rnoble@fowlerwhite.com]

Sent: Monday, March 27, 2006 2:38 PM

To: Knauss, Elizabeth Subject: RE: Aqua Clean

That address for Mr.. Miller will be fine. I will let him know to expect it in a couple weeks. Thanks,

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]

Sent: Monday, March 27, 2006 2:36 PM

To: Noble, Ron

Subject: RE: Aqua Clean

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Ron Noble

From: Knauss, Elizabeth [mailto:Elizabeth.Knauss@dep.state.fl.us]

Sent: Thursday, March 23, 2006 3:39 PM

To: Noble, Ron

Cc: Dregne, James; Neves, Richard

Subject: Aqua Clean

Your letter of March 22, 2006 arrived today - I have a concern regarding Paragraph 3, where you say "Aqua Clean reserves the right to use alternative facilities as the need and economic circumstances indicate"

We can accept this provided an alternative <u>recycling</u> facility is meant. We cannot accept this if Mr. Miller intends to use disposal facilities such as landfills.

Please let me know whether Mr. Miller is agreeing to use recycling facilities to manage Aqua Clean's recovered product - these could include both used oil processors and hazardous waste fuel processors. If Mr. Miller anticipates using a different form of recycling, please let me know this as well.

Beth Knauss Hazardous Waste Program

Disclaimer under IRS Circular 230: Unless expressly stated otherwise in this transmission, nothing contained in this message is intended or written to be used, nor may it be relied upon or used, (1) by any taxpayer for the purpose of avoiding penalties that may be imposed on the taxpayer under the Internal Revenue Code of 1986, as amended and/or (2) by any person to support the promotion or marketing of or to recommend any Federal tax transaction(s) or matter(s) addressed in this message.

If you desire a formal opinion on a particular tax matter for the purpose of avoiding the imposition of any penalties, we will discuss the additional Treasury requirements that must be met and whether it is possible to meet those requirements under the circumstances, as well as the anticipated time and additional fees involved.

Confidentiality Disclaimer: This e-mail message and any attachments are private communication sent by a law firm, Fowler White Boggs Banker P.A., and may contain confidential, legally privileged information meant solely for the intended recipient. If you are not the intended recipient, you are hereby notified that any use, dissemination, distribution or copying of this communication is strictly prohibited. Please notify the sender immediately by replying to this message, then delete the e-mail and any attachments from your system. Thank you.

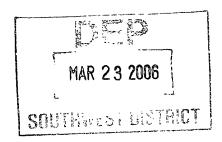


RON H. NOBLE
DIRECT DIAL: 813-222-1175
RNOBLE@FOWLERWHITE.COM

ATTORNEYS AT LAW

ESTABLISHED 1943

March 22, 2006



Ms. Elizabeth Knauss
Hazardous Waste Section
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Re:

Aqua Clean Environmental Company, Inc. Protocol for Recovery of Product from

Petroleum Contact Water

Dear Ms. Knauss:

Pursuant to our recent telephone conversations, the purpose of this correspondence is to provide additional information to the Department in connection with the resolution of the Warning Letter issued by the Department dated November 7, 2005. Specifically, this correspondence provides additional information regarding Aqua Clean's protocols for the recovery of "product" from Petroleum Contact Water pursuant to the provisions of Chapter 62-740, Florida Administrative Code.

Upon receipt of a shipment of Petroleum Contact Water at the Aqua Clean facility, the PCW will be processed for product recovery to ensure the Petroleum Contact Water is managed in a manner that is protective of human health and the environment, encourages conservation of natural resources, and promotes waste minimization pursuant to the Declaration of Intent in Chapter 62-740, Florida Administrative Code. Specifically, Petroleum Contact Water will be processed in incoming tanker trucks and/or existing facility tanks and processing equipment by gravity phase separation. Upon processing, if appreciable product is identified and recoverable (i.e. a segregated layer which is capable of pumping), the recovered product will be removed and pumped into one of the facility's existing storage tanks which are registered with the Department as aboveground storage tanks 9 and 10.

Upon collecting a sufficient volume of recovered product to warrant transportation to an off-site facility for further processing, Aqua Clean will utilize its own vehicles for the transport of recovered product to a facility such as On Time Environmental Services, HOWCO Environmental Services or January Environmental. The above-referenced facilities are provided as examples only, and Aqua Clean reserves the right to utilize alternative facilities as the need and economic circumstances indicate. The Department is also aware and acknowledges that

FOWLER WHITE BOGGS BANKER P.A.

Ms. Elizabeth Knauss March 22, 2006 Page 2

some product recovered by Aqua Clean at its facility is in the form of an emulsion of petroleum products and water based upon the fact that Aqua Clean does not utilize thermal energy to process Petroleum Contact Water. Therefore, the Department understands and acknowledges that the "product" recovered by Aqua Clean pursuant to the provisions of Chapter 62-740, Florida Administrative Code, will typically contain a high water content (sometimes in excess of 50%).

Pursuant to our prior discussions with the Department, we understand the Petroleum Contact Water product recovery protocol described above is consistent with the prevailing industry practices in the State of Florida, and specifically complies with the provisions of Rule 62-740.300(3), Florida Administrative Code. We remain available to provide any additional information the Department may require in connection with its review of the information set forth herein. In the interim, please do not hesitate to contact me should you have any questions or concerns regarding the above matters, or if you require any additional information.

Sincerely yours,

FOWLER WHITE BOGGS BANKER P.A.

Ron H. Noble

cc: Mr. W.D. Miller

#1812054v1

Florida Department of

Memorandum

Environmental Protection

To:

file

From:

Elizabeth Knauss

Date:

3/21/06

Subject:

Conversation Record

Aqua Clean Environmental - Polk

Ron Noble returned call regarding status of PCW recovery protocol letter. Said draft is completed and has been reviewed by Dee Miller. Should reach here no later than Friday.

Said protocol includes language from 62-740, indicates where recovered product will be stored, describes product (oil/water emulsion) and where the recovered product will be sent for further processing.

Some concern because policy also discusses economics - I said I would review the letter & comment.

Knauss, Elizabeth

From: Knauss, Elizabeth

Sent: Tuesday, February 28, 2006 9:01 AM

To: 'rnoble@fowlerwhite.com'
Subject: Short Form Consent Order

Attached is the boilerplate short form consent order language modified for Aqua Clean



Activity * COND PERMIT CONDITION OR CONSENT ORDER/RESPONSE DUE GCI						
Date Done	02/22/2006	Response/Action: Due	02/14/2006	Completed		
Inspection		Evaluation Results				
140163.116b				BENEFIT FROM DISPOSAL PRADISCUSS VERBALLY - CONVE		
Permit#		-or- Ogc#	and	Condition#		
	Press	[PAGE DOWN] for Activity Bi	rowse List (Ch	ange View)		

·

DATE:1/10/06				
TIME: 10:00 a.m.				
SUBJECT: Aqua Clean E	nvironmental			
		ATTENDED		į
		ATTENDEES		
Name	Affiliation	Telephone	E-Mail	
James Dregne	FDEP	(813)632-7600 ext 410	james.dregne@dep.state.fl.us_	_
Elizabeth Knauss	FDEP	(813)632-7600 ext. 383	elizabeth.knauss@dep.state.fl.us_	
Ron Nobh	Fowler White	(813) 228-7411	rnoble @ fowlerwhite. com	
Dee Milion	AOVA CLISAN	863-644-0665	aquectum @ tampertang. 42	LON
				
				_
				_
				

N.

REVISED 4:31 pm, 11/17/05



P.E. LaMoreaux & Associates, Inc. 4320 Old Highway 37, Lakeland, FL 33813 Tel. (863) 646-8526 Fax (863) 646-1042



PO #:

CASE NARRATIVE

SENT TO: AQUA CLEAN ENVIROMENTAL CO. INC

> W.D. (DEE) MILLER III, P.E. 3210 WHITTEN RD LAKELAND, FL 33811

863-644-0665

REPORT ID PROJECT NO. : 0510077821

PELA CONTACT

RECEIVED DATE

: 10/12/05

REPORTED DATE

: 11/17/05

Report Summary:

Sampling, handling, and holding time criteria were met for all samples.

Sample were collected by: Client

B Result based on colony counts outside the acceptable range, (microbiology) I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

- | Isboratory practical quantitation limit.
 | J. Estimated value, value is not accurate; to be used when:
 | 1. Surrogate receivery limits have been exceeded.
 | 2. No known quality control criterion exists.
 | 3. Report value failed to meet established QC criterie.
 | 4. Sample matrix interference predictors accurate determination.
 | 5. Date is cuestionable due to improper lab or fleid protocots.
 | Q. Sample held beyand the accepted holding time.
 | U. Compound was shalyzed for but not detected.
 | Y. Laboratory enellysis was from an unpreserved or improperly greserved sample. The data may not be accurate.
- The data may not be accurate.

 Z Too many colonies were present (TNTC), the numeric value represents the filtration volume.

LAB NUMBER:

KF16835

SIGNATORY AL

CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1



4320 Old Highway 37, Lakeland, FL 33813 Tel. (863) 646-8526 Fax (863) 646-1042



REPORT OF ANALYSIS

Report ID: 0510077821

CLIENT NAME

: AQUA CLEAN ENVIROMENTAL CO, INC

COLLECTION DATE

IDENTIFICATION : 9212

: 10/12/05

SITE

COLLECTION TIME : CLIENT

: '12:15

TYPE

: AQUA CLEAN : WATER

COLLECTED BY

DATE RECEIVED IN LAB: -10/12/05

PARAMETER	DETECTION METHOD LIMITS RESULTS UNITS ANALYST		TIME/DATE STARTED			
INORGANICS		· · · · · · · · · · · · · · · · · · ·				
<u>KF16835-01P</u> ARSENIC AS AS	EPA 7060	0.10	<u>0.12</u>	mg/Kg	SMW	12:31 10/28/05
<u>KF16835-01P</u> BARIUM AS BA	EPA 6010	10.0	<u>20.7</u>	mg/Kg	SMW	11:28 11/01/05
KF16835-01P CADMIUM AS CD	EPA 6010	0.50	<u>0.50 U</u>	mg/Kg	SMW	11:28 11/01/05
<u>KF16835-01P</u> CHROMIUM AS CR	EPA 6010	4.0	<u>2.18</u>	mg/Kg	SMW	11:28 11/01/05
<u>KF16835-01P</u> LEAD AS PB	EPA 7421	0.10	2.64	mg/Kg	SMW	11:29 10/31/05
<u>KF16835-01P</u> MERCURY AS HG	EPA 7471	0.0005	0.0067	mg/Kg	SMW	15:59 11/07/05
<u>KF16835-01P</u> SELENIUM AS SE	EPA 7740	0.2	<u>0.20 U</u>	mg/Kg	SMW	11:44 11/04/05
<u>KF16835-01P</u> SILVER AS AG	EPA 6010	0.5	<u>0.50 U</u>	mg/Kg	SMW	15:24 11/02/05
KF16835-01Q TOTAL SOLIDS (%)	SM2540G	0.01	<u>93.2</u>	%	всм	10:30 10/22/05

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION.



P.E. LaMoreaux & Associates, Inc.

4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



REPORT OF ANALYSIS

CLIENT NAME : AQUA CLEAN ENVIROMENTAL CO, INC

863F151042

IDENTIFICATION : 9212

SITE TYPE : AQUA CLEAN

: WATER

0510077821 Report ID:

COLLECTION DATE

: 10/12/05 **COLLECTION TIME**

COLLECTED BY

: 12:15 : CLIENT

6:29 10/28/05

DATE RECEIVED IN LAB: 10/12/05

The second secon							
PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED	
ORGANICS				10000			
	TCL	P VOLATILE:	S				
KF16835-03D							
VINYL CHLORIDE	EPA 8260	0.00017	<u>U</u>	mg/L	JT	6:29	10/28/05
1,1-DICHLOROETHENE	EPA 8260	0.00012	<u>u</u>	mg/L	JT	6:29	10/28/05
TRICHLOROMETHANE	EPA 8260	0.00003	Ü	mg/L	JT	6:29	10/28/05
1,2-DICHLOROETHANE	EPA 8260	0.00006	<u>u</u>	mg/L	JT	6:29	10/28/05
METHYL ETHYL KETONE	EPA 8260	0.00100	<u>Ü</u>	mg/L	JT	6:29	10/28/05
BENZENE	EPA 8260	0.00004	<u>Ü</u>	mg/L	JŤ	6:29	10/28/05
CARBON TETRACHLORIDE	EPA 8260	0.00021	<u>U</u>	mg/L	JT	6:29	10/28/05
TRICHLOROETHENE	EPA 8260	0.00019	<u>U</u>	mg/L	JT	6:29	10/28/05
TETRACHLOROETHENE	EPA 8260	0.00014	<u>u</u>	mg/L	JT	6:29	10/28/05
CHLOROBENZENE	EPA 8260	0.00004	<u>U</u>	mg/L	JT	6:29	10/28/05

0.00003

U

mg/L

EPA 8260

Field Parameters if Reported :

1,4-DICHLOROBENZENE

Specific Conductance (Micromhos):	N/A
pH (std units):	N/A
Water Temp (Degrees C):	N/A
Dissolved Oxygen (mg/L):	N/A
Water Level (Ft):	N/A
Well Elev (Ft NGVD):	N/A
Field Turbidity (NTU):	N/A
Field Color (PCU):	N/A
Facility GWS #:	

REPORTING ATTN: CLIENT: ADORESS:	G ADDRESS:			4320 Lakela (8	Old Hig ind, Flor (63) 646-	& Associa hway 37 ida 33813 8526 USTOD	3	INVOICH ATTN: CLIENT: ADDRES			77	821
PROJECT N		PROJECT LOCATION	1,			REQUIRED	ANALYSIS			PAGE	OF	
PROJECT O		PURC <mark>A</mark> ASE ORDER NO. PROJECT TEL. NO.	R (S)OIL (O)THER	の記	ر ا ار	6 Socross				FIELD	PARAMETER	≀s
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	C YLU	K. [نن 🔔	1,	OF CONTAIN	NEDS / CONTA	INFO CIZE P	TYPE / PRES	FOVATIVE	(umnos/cm)	TEMP (°C)	0.0
DATE	TIME	SAMPLE IDENTIFICATION	ΔŁ	PRESERVATIVE	CONTAIN CONTAIN S: (S)ODIUM HY	VIERS / CORTA VINER TYPES: (P)L VOROXIDE (SU)LFI	astic (G)LASS (Uric (N)ITRIC (H	TYPE / PRES! O)THER)YOROCLORIC (I)	EHVALIVE ICED (O)THER))		
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4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



PO #:

AQUA CLEAN ENVIROMENTAL CO, INC SENT TO:

W.D. (DEE) MILLER III, P.E. 3210 WHITTEN RD LAKELAND, FL 33811

863-644-0665

CASE NARRATIVE

REPORT ID PROJECT NO. : 0509051629

PELA CONTACT RECEIVED DATE

; 09/20/05

REPORTED DATE

: 10/12/05

Report Summary:

Sampling, handling, and holding time criteria were met for all samples.

Sample were collected by: Client

Qualifier Key:

B. Rosult based on colony counts outside the acceptable range, (microbiology)

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J Estimated value, value is not accurate; to be used when:

 Surrogate recovery limits have been exceeded.

2. No known quality control criterion exists,
3. Report value failed to meet established QC criteria.

Sample matrix interference precludes accurate determination.
 Data is questionable due to improper lab or field protocols.

O Sample held beyond the accepted holding time.
U Compound was analyzed for but not detected.
Y Laboratory analysis was from an unpreserved or improperly preserved sample.

The date may not be accurate.

Z. Too many colonies were present (TNTC), the numeric value represents the filtration volume.

LAB NUMBER:

KF15465



CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1



4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



REPORT OF ANALYSIS

CLIENT NAME

: AQUA CLEAN ENVIROMENTAL CO, INC

IDENTIFICATION

: 9204 SOILS : OTHER

SITE TYPE

0509051629 Report ID:

COLLECTION DATE

: 09/20/05

COLLECTION TIME

:18:00

COLLECTED BY

: CLIENT

DATE RECEIVED IN LAB: 09/20/05

PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DA TE STARTED
INORGANICS						
KF15465-01P ARSENIC AS AS TCLP	EPA 7060	0.001	<u>0.010</u>	mg/L	SMW	14:13 09/23/05
KF15465-01P BARIUM AS BA TCLP	EPA 6010	0.1	0.14	mg/L	SMW	14:55 09/28/05
KF15465-01P CADMIUM AS CD TCLP	EPA 6010	0.005	<u>0.005 U</u>	mg/L	SMW	14:55 09/26/05
KF15465-01P CHROMIUM AS CR TCLP	EPA 6010	0.04	<u>0.04 U</u>	mg/L	SMW	14:55 09/26/05
KF15465-01P LEAD AS PB TCLP	EPA 7421	0,001	<u>0.019</u>	mg/L	SMW	10:01 10/04/05
KF15465-01P MERCURY AS HG TCLP	EPA 7471	0.0001	0.0001 U	mg/L	\$MW	16:58 09/23/05
KF15465-01P SELENIUM AS SE TCLP	EPA 7740	0.002	0.002 U	mg/L	SMW	14:47 09/26/05
KF15465-01P SILVER AS AG TCLP	EPA 6010	0.005	<u>0.005 U</u>	mg/L	SMW	12:52 09/28/05
<u>KF15465-01Q</u> TOTAL SOLIDS (%)	SM2540G	0.01	<u>69.3</u>	%	BGM	14:45 10/05/05

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION.



4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



REPORT OF ANALYSIS

: AQUA CLEAN ENVIROMENTAL CO, INC CLIENT NAME

IDENTIFICATION : 9204 SOILS

SITE TYPE : OTHER

0509051629 Report ID:

COLLECTION DATE COLLECTION TIME

: 09/20/05 : 8:00

COLLECTED BY

: CLIENT

DATE RECEIVED IN LAB: 09/20/05

	 		DETECTION	"			TIME/DATE
PARAMETER	METHO	D	LIMITS	RESULTS	UNITS	ANALYST	STARTED

ORGANICS

TO P VOLATILES

	ICLP	VOLATILE	3				
KF15465-03D							
VINYL CHLORIDE	EPA 8260	0.00017	<u>U</u>	mg/L	SUB	10:40 09/26/05	
1.1-DICHLOROETHENE	EPA 8260	0.00012	<u>U</u>	mg/L	\$UB	10:40 09/26/05	
TRICHLOROMETHANE	EPA 8260	0.00003	0.00151	mg/L	SUB	10:40 09/26/05	
1,2-DICHLOROETHANE	EPA 8260	0.00006	U	mg/L	SUB	10:40 09/26/05	
METHYL ETHYL KETONE	EPA 8260	0.00100	0.00709	mg/L	SUB	10:40 09/26/05	
BENZENE	EPA 8260	0.00004	<u>n</u>	mg/L	SUB	10:40 09/26/05	
CARBON TETRACHLORIDE	EPA 8260	0.00021	ΰ	mg/L	ŞŲB	10:40 09/26/05	
TRICHLOROETHENE	EPA 8260	0.00019	Ū	mg/L	SUB	10:40 09/26/05	
TETRACHLOROETHENE	EPA 8260	0.00014	ū	mg/L	SUB	10:40 09/26/05	
	EPA 8260	0.00004	Ū	mg/L	SUB	10:40 09/26/05	
CHLOROBENZENE			_	•	SUB	10:40 09/26/05	
1,4-DICHLOROBENZENE	EPA 8260	0.00003	<u>U</u>	mg/L	-	10.40 00/20/00	

Field Parameters if Reported :

LIGIT (BIBILIOGE 3 II LICE OF ICC.	
Specific Conductance (Micromhos):	N/A
pH (std units):	N/A
Water Temp (Degrees C):	N/A
Dissolved Oxygen (mg/L):	N/A
Water Level (Ft):	N/A
Well Elev (Ft NGVD):	N/A
Field Turbidity (NTU):	N/A
Field Color (PCU):	N/A
Facility GWS #:	

REPORTING ADDRESS ATTN: CLIENT: ADDRESS:	* •				I	4320 Lakela (8	Old Hig nd, Flor 63) 646-	& Associa hway 37 ida 33813 8526 :USTOD	3	INVOICING ATTN: CLIENT: ADDRESS			N5		629
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ROJECT NAME		PHOJECT LO	JUR HUR		£			REQUIRED	ANALTSIS	-		- AUL		1~	
ROJECT NO:	Sun.	PURCHASE (SECT TEL. NO.		(S)OIL (O)THER	ALS	TCLP Senszawa	g seux			!	F	TIELD PAR	AMETERS	5
SAMPLER NAME(S)	. Nues	<u> </u>			E: (WATER	35	£ 1	1				SC (umnos/cm)	Hq	TEMP (°G)	0.0
SAMPLING DATE TIME			NTIFICATIO	DN	N PAI	UMBER (ESERVATIVE	OF CONTAIL CONT ES: (S)ODIUM H	NERS / CONTA AINER TYPES: (P)L YDROXIDE (SUK-F	AINER SIZE & ASTIC (G)LASS (URIC IN)ITRIC (H	TYPE / PRESE O)THER)YOROCLORIC (I)(CED (O)THER	Lh)			
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4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



PO #:

CASE NARRATIVE

SENT TO:

AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

3210 WHITTEN RD LAKELAND, FL 33811

863-644-0665

REPORT ID PROJECT NO.

: 0508081875

PELA CONTACT RECEIVED DATE

: 08/24/05

REPORTED DATE

: 09/19/05

Report Summary:

Sampling, handling, and holding time criteria were met for all samples.

Sample were collected by: Client

Qualifier Key:

 Result based on colony counts outside the acceptable range, (microbiology)
 The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J Estimated value, value is not accurate; to be used when:

1. Surregate recovery limits have been exceeded.

No known quality control criterion exists.
 Report value falled to meet established QC criteris.

Sample matrix interference precludes accurate determination.
 Bathalia quantionable due to improper lab or field protocols.
 Sample held beyond the accupted holding time.
 Compound was analyzed for but not detected.

U Compound was analyzed for but not detected,
Y Laboratory analyzed was from an unpreserved or improporty preserved sample.
The data may not be accurate.

The many colonias were prosent (TNTC), the numeric value represents the

LAB NUMBER:

KF14063

SIGNATORY AL

CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1



4320 Old Highway 37, Lakeland, FL 33813 Tel. (863) 646-8526 Fax (863) 646-1042



REPORT OF ANALYSIS

0508081875 Report ID:

CLIENT NAME

: AQUA CLEAN ENVIROMENTAL CO, INC

COLLECTION DATE

IDENTIFICATION : SOLIDS 9196

: 08/24/05 COLLECTION TIME

SITE

: 8:30

COLLECTED BY : CLIENT

TYPE

: SOIL

DATE RECEIVED IN LAB: 08/24/05

PARAMETER	METHOD	DETECTION LIMITS	RESULTS	UNITS	ANALYST	TIME/DATE STARTED
INORGANICS						
KF14063-01P ARSENIC AS AS TCLP	EPA 7060	0.001	0.007	mg/L	SMW	16:55 08/25/05
KF14063-01P BARIUM AS BA TCLP	EPA 6010	0.1	<u>0.10 U</u>	mg/L	SMW	17:05 09/02/05
KE14063-01P CADMIUM AS CD TCLP	EPA 6010	0.005	<u>0.005 U</u>	mg/L	SMW	17:05 09/02/05
KF14063-01P CHROMIUM AS CR TCLP	EPA 6010	0.04	<u>0.04 U</u>	mg/L	SMW	17:05 09/02/05
KF14063-01P LEAD AS PB TCLP	EPA 742 1	0.001	0.015	mg/L	SMW	10:14 08/29/05
KF14063-01P MERCURY AS HG TCLP	EPA 7471	0.0001	<u>0.0001 U</u>	mg/L	\$MW	15:53 08/31/05
KF14063-01P SELENIUM AS SE TCLP	EPA 7740	0.002	<u>0.002 U</u>	mg/L	SMW	16:17 08/26 <i>/</i> 05
KF14063-01P SILVER AS AG TCLP	EPA 6010	0.005	<u>0.005 U</u>	mg/L	SMW	16:56 08/25/05
KF14063-01Q TOTAL SOLIDS (%) DETECTION LIMITS REPORTED ARE MET	EPA 1684	0.01	<u>53.38</u>	%	JLR	12:30 08/26/05
SELECTION CHAIN O WELLOWING MICE	HOD DETECTION	IN LIMITE AND CL	I WAT VART VV	II O IVIA I KI	X AND ÇÇN	CENTRATION.



4320 Old Highway 37, Lakeland, FL 33813

Tel. (863) 646-8526 Fax (863) 646-1042



: 08/24/05

0508081875 Report ID: REPORT OF ANALYSIS

CLIENT NAME : AQUA CLEAN ENVIROMENTAL CO, INC

: SOLIDS 9196 **IDENTIFICATION**

SITE

ORGANICS

TYPE ; \$01L

COLLECTION DATE

COLLECTION TIME

: 8:30 COLLECTED BY : CLIENT

DATE RECEIVED IN LAB: 08/24/05

..... DETECTION TIME/DATE **METHOD** RESULTS UNITS ANALYST PARAMETER STARTED LIMITS

TCLP VOLATILES

EPA 8260	0.00017	<u>U</u>	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00012	<u>U</u>	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00003	0.009	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00006	<u>U</u>	mg/l_	SUB	15:31	09/07/05
EPA 8260	0.00100	ñ	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00004	<u>U</u>	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00021	ឬ	mg/L	\$UB	15:31	09/07/05
EPA 8260	0.00019	П	mg/L	SUB	15;31	09/07/05
EPA 8260	0.00014	0.0005	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00004	<u>U</u>	mg/L	SUB	15:31	09/07/05
EPA 8260	0.00003	<u>п</u>	mg/L	SUB	15;31	09/07/05
	EPA 8260 EPA 8260 EPA 8260 EPA 8260 EPA 8260 EPA 8260 EPA 8260 EPA 8260	EPA 8260 0.00012 EPA 8260 0.00003 EPA 8260 0.00006 EPA 8260 0.00100 EPA 8260 0.00021 EPA 8260 0.00019 EPA 8260 0.00014 EPA 8260 0.00014 EPA 8260 0.000014	EPA 8260 0.00012 U EPA 8260 0.00003 0.009 EPA 8260 0.00006 U EPA 8260 0.00100 U EPA 8260 0.00004 U EPA 8260 0.00021 U EPA 8260 0.00019 U EPA 8260 0.00019 EPA 8260 0.00014 0.0005 EPA 8260 0.00004 U	EPA 8260 0.00012 <u>U</u> mg/L EPA 8260 0.00003 <u>0.009</u> mg/L EPA 8260 0.00006 <u>U</u> mg/L EPA 8260 0.00100 <u>U</u> mg/L EPA 8260 0.00004 <u>U</u> mg/L EPA 8260 0.00021 <u>U</u> mg/L EPA 8260 0.00019 <u>U</u> mg/L EPA 8260 0.00019 <u>U</u> mg/L EPA 8260 0.00014 <u>0.0005</u> mg/L EPA 8260 0.00004 <u>U</u> mg/L	EPA 8260 0.00012 U mg/L SUB EPA 8260 0.00003 0.009 mg/L SUB EPA 8260 0.00006 U mg/L SUB EPA 8260 0.00100 U mg/L SUB EPA 8260 0.00004 U mg/L SUB EPA 8260 0.00004 U mg/L SUB EPA 8260 0.00021 U mg/L SUB EPA 8260 0.00019 U mg/L SUB EPA 8260 0.00014 0.0005 mg/L SUB EPA 8260 0.00014 0.0005 mg/L SUB EPA 8260 0.00004 U mg/L SUB	EPA 8260 0.00012 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00003 <u>0.009</u> mg/L SUB 15:31 EPA 8260 0.00006 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00100 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00004 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00021 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00019 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00019 <u>U</u> mg/L SUB 15:31 EPA 8260 0.00014 <u>0.0005</u> mg/L SUB 15:31 EPA 8260 0.00004 <u>U</u> mg/L SUB 15:31

Field Parameters if Reported:

Specific Conductance (Micromhos):	N/A
pH (std units):	N/A
Water Temp (Degrees C):	N/A
Dissolved Oxygen (mg/L):	N/A
Water Level (Ft):	N/A
Well Elev (Ft NGVD):	N/A
Field Turbidity (NTU):	N/A
Field Color (PCU):	N/A
Facility GWS #:	

CHAIN OF CUSTODY I	RECORD	REPORT IDENTIFICATION NUMBER: 8	1875
P.E.LaMoreaux & Associates, Inc. 4	320 OLD HIGHWAY 37 AKELAND, FLORIDA 33813	T GROUND WARER A 4107 ONICE. Z SURFACE WATER B INTRICACIO (HNO9) 3 DRINKING WATER C HYDROCHUORIC ACID	(HCcb)
	363)646:8526 (PHONE) 363)646:1042 (FAX) WW.PELA.COM	4 SOIL D SUPPLING AGID (H) SO 54 SOUD JE SODUMHYDROXIDE (I 66 SEDIMENT F) NONE 7. NONAQUEOUS LIQUID (IOIL SOLVENT ETIC) G OTHER 8 SUUDGE	NAOH)A SAAL Z
ROJECTINAME ROJECT LOCATION ROJECT GONTACT PURCHASE ORDER NUMBER:	PROJECTINOMBER EHGNENUMBER	9. OTHER SPECIAL FIANDUNC SAMPLE TYPE & CONTAINER FIELD PARAM (REQUEST)	DENTER ONLY)
REPORTING ADDRESS: BILLING ADDRESS: REPORTING GITY STATE ZIP: BILLING GITY STATE ZIP:	FAX,NUMBER: E'MAL'ADDRESS:	TE POSTULA SECTION OF THE POSTULA SECTION OF	WORKEN (MG/L)
SAMRLEJINFORMATION DATE: TIME: PIELD DESCRIPTION	REQUESTED ANALYSIS	Could Regult Reg	Dissource of the second of the
8/24 0830 Socies 9196	TCLP YCKA METALS TCLP BENZEWE 76 SOCIUS		
SAMPLE (KIT) PREPAREDIBY: PELLA COOLER (NO. 1 SAMPLED BY (RRINTED).	SAMRUEDIEV:(SIGNATURE)	DATE: ITIME RECEIVED BY (SIGNATURE). 4 DAT	Time
DATE: TIME: COOLER RETURNED! U YES: U NO LABORATORY REMARKS:	RELINGUISHEDIBY/(SIGNATURE)	RECEIVED BY (SIGNATURE) A DATE OF THE PROPERTY (SIGNATURE) A DATE OF THE PROPERTY (SIGNATURE) A DATE OF THE PROPERTY (SIGNATURE)	True:
LADOTA LOTA ILLEMANO	La celludiomated Ball (Old Matter)	DATE HIME RECEIVED BY SIGNATURES DATE TIME: RECEIVED BELIABY (SIGNATURE): 138 DATE RECEIVED BELIABY (SIGNATURE): 138 DATE	E MIME TO A STATE OF THE STATE



TOTAL PAGES



Page: Page 1 of 2

Date: 08/02/2005

Log #: L115257-1

Client #: TAM-97-100301

Sample Description:

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Analytical Report: 9189 Soils

Date Sampled: 07/19/2005 Time Sampled: 06:47

Date Received: 07/21/2005

Collected By: Client

				Reportable	Extr.	Anly.	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
TCLP Extraction Date							
TCLP Extraction	07/27	date	1311 EXTR				$W\!D$
TCLP ZHE Extraction	07/25	date	1311 ZHE				sv
TCLP Metals							
Arsenic	0.088	mg/l	3010/6010	0.010	07/28	08/01	EB
Barium	BDL	mg/l	3010/6010	0.025	07/28	08/01	EB
Cadmium	\mathtt{BDL}	mg/1	3010/6010	0.0050	07/28	08/01	EB
Chromium	0.068	mg/l	3010/6010	0.0050	07/28	08/01	EB
Lead	\mathtt{BDL}	mg/l	3010/6010	0.0050	07/28	08/01	EB
Selenium	0.013	mg/l	3010/6010	0.010	07/28	08/01	EB
Silver	BDL	mg/l	3010/6010	0.010	07/28	08/01	EB
Mercury	BDL	mg/l	7470	0.00020	07/28	07/28	VK
TCLP Volatile Organic Compou	nds						-
Benzene	BDL	mg/l	5030/8260	0.10	07/29	07/29	$_{ m BL}$
Chlorobenzene	BDL	mg/l	5030/8260	0.10	07/29	07/29	BL
Chloroform	\mathtt{BDL}	mg/l	5030/8260	0.10	07/29	07/29	\mathtt{BL}
Carbon Tetrachloride	BDL	mg/1	5030/8260	0.10	07/29	07/29	BL
1,2-Dichloroethane	BDL	mg/l	5030/8260	0.10	07/29	07/29	BL
1,1-Dichloroethene	BDL	mg/l	5030/8260	0.10	07/29	07/29	BL
Methyl Ethyl Ketone	BDL	mg/l	5030/8260	1.0	07/29	07/29	\mathtt{BL}
Tetrachloroethene	BDL	mg/l	5030/8260	0.10	07/29	07/29	BL
Trichloroethene	BDL	mg/l	5030/8260	0.10	07/29	07/29	\mathtt{BL}
Vinyl Chloride	BDL	mg/l	5030/8260	0.10	07/29	07/29	\mathtt{BL}
1,4-Dichlorobenzene	BDL	mg/l	5030/8260	0.10	07/29	07/29	\mathtt{BL}
Dilution Factor	1.0		5030/8260		07/29	07/29	BL
Surrogate Recoveries:							
Dibromofluoromethane	109	90	5030/8260	68-145	07/29	07/29	\mathtt{BL}
Toluene-D8	92	olo	5030/8260	62-133	07/29	07/29	$_{ m BL}$

~Client #: TAM-97-100301

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Page: Page 2 of 2 Date: 08/02/2005

Log #: L115257-1

Sample Description: Analytical Report: 9189 Soils

Date Sampled: 07/19/2005

Time Sampled: 06:47

Date Received: 07/21/2005

Collected By: Client

Reportable Extr. Anly.

Limit Units Method Parameter Results

TCLP Volatile Organic Compounds (continued)

5030/8260 56-135 07/29 4-Bromofluorobenzene 135

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240

KS/NELAC# E-10360 ADEM ID# 40850 NC CERT# 444

SC CERT# 96031001 IL/NELAC CERT# 200020 TN CERT# 02985 GA CERT# 917

VA CERT# 00395

USDA Soil Permit# S-35240

The state of the s		N OF CUSIODY RECORD	Sai	nples INTACT upon arrival?
`USBiosysi	TEMS Log #115 25	T#S Quote:	_ Page _ ot _ PR	DPER PRESERVATIVES indicated? teived WITHIN HOLDING TIME?
•	ο Δ	TALLET STREET	VC	STODY SEALS INTACT? LATILES rec'd W/OUT HEADSPACE? DPER CONTAINERS used?
Company Name Address	a Coach	4	<u> </u>	Matrix Codes*
City	State Zip	49 00.19	SI G	Solid Waste OL Oil W Ground Water SL Sludge F Effluent SO Soil Sedime
	- Company of the Comp	WELT THE STATE OF		W Analyte Free H ₂ O AQ Aqueous W Waste Water NA Nonagueou
Attn: Project	Fax#	불 기		Surface Water O Other
Name Sampler	Proj#	Parameter P TCL P TCL P Sanzienie % Sould	6 (1)	Pres/Codes A. None G. Na ₂ S ₂ O ₃ B. HNO ₃ H. NaHSO ₄
Name/Signature	Phone#	TCUP MOCULA VOC		B. HNO ₃ H. NaHSO ₄ C. H ₂ SO ₄ I. ICC D. NaOH J. MCAA
error Schalott I et de la	Colection Cole			E. HCL K. Zn Acetate F. MeOH O. Other
	Code*			REMARKS
-1 9189 Soils	7/9 061	$X \times X \times X \times X$		19025, 6 2025
_2 DEP !	11 1300	$\mathbf{X} \times \mathbf{X} \times \mathbf{X}$		
-3 DRP 2	7/20 0615	XXXXX		
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Date required		1 2 3 Other	V) N/M	
Traccollers press and press	The second secon			3231 N.W. 7th Aver Boca Raton, FL 334
	L. Schungs	7/24/05 9:20	7/20/05 9:20	888-862-LABS
	Jank MSB	7 Hely 17:00 Course VE	7/20/05 17:00	561-447-7373 888-456-4846 Fax
	Courier UF	7/a/05 4513	713100 13:30	
#				c.o.c. #73260

LAB USE ONLY

Hydrogeologists Geologists Engineers & Environmental Scientists



Report ID: 0502051624

BILLING INFORMATION

Client

: AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD

LAKELAND, FL 33811

Attention

: W.D. (DEE) MILLER III, P.E.

Bill To : AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No.:

SAMPLE IDENTIFICATION

CLIENT INFORMATION

IDENTIFICATION

: SOLIDS SAMPLE

SITE

TYPE

: SOIL

FIELD PARAMETERS

SPECIFIC CONDUCTANCE

pH ...

WATER TEMPERATURE DISSOLVED OXYGEN INITIAL WATER LEVEL WELL ELEVATION FIELD TURBIDITY

FIELD COLOR

FACILITY GMS#

COMMENTS

UNIQUE ID# 01P TCLP8M 01A TCLPV 01Q %SOLID

0502051624 - Page 1 of 5

4320 Old Hwy 37, Lakeland, Florida 33813 863/646-8526

FAX 863/646-1042

Hydrogeologists Geologists Engineers & Environmental Scientists



CLIENT NAME : AQUA IDENTIFICATION : SOLII	A CLEAN EN OS SAMPLE	VIROMENTAL	CO, INC	Report ID			: 02	/24/05	
SITE :		· ·		COLLECT	TON TIMI	3.	: 15	:00	
TYPE : SOIL		, .	1	COLLECT	ED BY		: CI	LIENT	
			* ***	DATE RE		N LAB		/25/05	
		<u>I</u>	ETECTION	Control of the Contro			TIN	Æ/DATE	
PARAMETER		·	LIMITS	RESULT	UNIT A	NALYST		ARTED	
INORGANICS	1.		<u> </u>		·		(6)	THERED	-
				() ()	4.				
T/700 457 00 0				espa					
KF03457-03Q				area.					
% SOLID		EPA 160.3	0.01	47.76	%	JLR	12:45	03/02/05	
	• •								
KF03457-01P		A 14	•	12.4					
ARSENIC AS AS TCLP		EPA 7060	0:001	0.005	mg/L	SMW	16:15	03/10/05	
		* *		7 .		•			
KF03457-01P	and the same			Section 18 1					
BARIUM AS BA TCLP	A 1984	EPA 6010	0.1	0.10 U	mg/L	SMW	10:19	03/11/05	
				<u></u>					
KF03457-01P			•						
CADMIUM AS CD TCLP		EPA 6010	0.005	0.005 U	mg/L	SMW	10:19	03/11/05	
* - *		*:							
KF03457-01P							•		
CHROMIUM AS CR TCLP	**	EPA 6010	0.04	0.04 U	mg/L	SMW	10:19	03/11/05	
					_				•
KF03457-01P							•		
LEAD AS PB TCLP	•	EPA 7421	0.001	0.017	mg/L	SMW	11:37	03/16/05	
					Ū				
KF03457-01P									
MERCURY AS HG TCLP		EPA 7471	0.0001	0.0001 U	mg/L	SMW	14:47	03/11/05	
					8		- 17.1	00/11/00	
KF03457-01P									
SELENIUM AS SE TCLP		EPA 7740	0.002	0.002 U	mg/L	SMW	10.44	03/11/05	
		21117710	0.002	0.002 0	1116/13	DIVI W	10.44	03/11/03	
KF03457-01P	•	•			•				
SILVER AS AG TCLP		EPA 6010	0.005	0.005 U	mg/L	SMW	15.42	03/11/05	
DETECTION LIMITS REPORTE	D ARE METHO								
	~ / NGC WILLIAM	DETECTION LIM	aro which i	TOT AWAI MILL	I MIN I KIN A.	IND CONCI	INIKAI.	ION.	

0502051624 - Page 2 of 5

Hydrogeologists Geologists Engineers & Environmental Scientists



: AQUA CLEAN ENVIROMENTAL CO, INC

Report ID: 0502051624 **COLLECTION DATE**

: 02/24/05

IDENTIFICATION: SOLIDS SAMPLE

: 15:00

SITE **TYPE**

: SOIL

COLLECTION TIME COLLECTED BY

DATE RECEIVED IN LAB

: CLIENT

: 02/25/05

DETECTION

PARAMETER

METHOD

LIMITS

RESULT UNIT ANALYST · TIME/DATE STARTED

ORGANICS

TCLP VOLATILES

KF03457-03D

BENZENE

EPA 8260

0.00004

0.00071

mg/L

JMS 12:01 03/04/05

, i,

0502051624 - Page 3 of 5

4320 Old Hwy 37, Lakeland, Florida 33813 863/646-8526

FAX 863/646-1042

USBiosystems

Client #: TAM-97-100301

Sample Description:

TCLP Analysis

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller Date: 01/26/2005 Log #: L104601-1

Page: Page 1 of 2

Analytical Report: 9143

Date Sampled: 01/17/2005

Time Sampled: 08:00

Date Received: 01/17/2005

Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
TCLP Extraction Date							T C
TCLP Extraction	01/20	date	1311 EXTR				JC
TCLP ZHE Extraction	01/20	date	1311 ZHE				sv
TCLP BTEX Compounds							
Benzene	\mathtt{BDL}	mg/l	5030/8260	0.10	01/21	01/21	sv
Dilution Factor	1.0		5030/8260		01/21	01/21	sv
Surrogate Recoveries:							
Dibromofluoromethane	102	8	5030/8260	68-145	01/21	01/21	SV
Toluene-d8	99	ક	5030/8260	62-133	01/21	01/21	sv
4-Bromofluorobenzene	96	ક	5030/8260	56-135	01/21	01/21	sv
TCLP Metals							
Arsenic	BDL	mg/l	3010/6010	0.050	01/21	01/23	$\mathbf{L}\mathbf{L}$
Barium	BDL	mg/l	3010/6010	0.30	01/21	01/23	LL
Cadmium	BDL	mg/l	3010/6010	0.010	01/21	01/23	LL
Chromium	0.010	mg/l	3010/6010	0.010	01/21	01/23	${f LL}$
Lead	BDL	mg/1	3010/6010	0.050	01/21	01/23	${f L}{f L}$
Selenium	BDL	mg/1	3010/6010	0.10	01/21	01/23	
			3010/6010	0.020	01/21	01/23	
Silver	BDL	mg/1	7470	0.020	01/21	01/24	
Mercury	BDL	mg/l	7470	0.00020	01/24	01/24	VIC
Percent Solids							
Percent Solid	54	ક	160.3	0.10	01/18	01/18	MS

ient #: TAM-97-106__1

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Page: Page 2 of 2 Date: 01/26/2005 Log #: L104601-1

Analytical Report: 9143

Date Sampled: 01/17/2005

Time Sampled: 08:00

Date Received: 01/17/2005

Collected By: Client

Reportable Extr. Anly.

Date Date Analyst Limit Parameter Results Units Method

Percent Solids (continued)

Sample Description:

TCLP Analysis

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank

FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

FLDOH/NELAC# E86240

NC CERT# 444

SC CERT# 96031001

IL/NELAC CERT# 200020

GA CERT# 917

VA CERT# 00395

USDA Soil Permit# S-35240

KS/NELAC# E-10360

ADEM ID# 40850

TN CERT# 02985

Company Name	OSYSTEMS Our Clea		O# *			E.V	USTODY SEALS INTACT? DIATILES recd W/OUT HEADSPACE? ROPER CONTAINERS used?
Address				5040			Matrix Codes*
City	્રેડ ક	tate 2	ip			V SE	D. Solid Waster OL OII W. Ground Water St. & Sludge FF Effluent SO Soll Sediment
Attn:	41.	Fax#		WETALL SEWZUG ST		A DESCRIPTION OF PERSONS ASSESSMENT OF THE PERSON OF THE P	FW Analyte Free H ₂ O AQ Aqueous W Waste Water NA Nonagueous
Project						N N	W. Drinking Water. PE Petroleum D. Surface Water. O Other IL Misc Liquid Press Spec
Name Sampler		Proj#.		A MET			A. Nones B. HNO3 H. NaHSO4
Name/Signature	s. Collect Co	Phone#	Sample	Patenti TCCP TCCP W Sel			C H ₂ SO2 D NaOH J MCAA
\\C'en 2\	Awaria Awaria	ຕາ Code* ້	Container:	100 K			E.HCL K. Zn Acetate F. MeOH 0: Other
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CONTRACTOR OF THE STATE OF THE				1700 Count			888-862-LABS



P.E. LaMoreaux and Associates, Inc

Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

0401051608

FAX 863/646-1042

LABORATORY DIRECTOR



SENT TO: AQUA CLEAN ENVIROMENTAL CO. INC

W.D. (DEE) MILLER III, P.E.

3210 WHITTEN RD

LAKELAND, FL 33811

863-644-0665

REPORT ID

PROJECT NO.

PELA CONTACT

RECEIVED DATE: : 1/30/04

REPORTED DATE: 2/18/04

CO TO THE COAD THE CO

LAB ID#

*KE01666-01M

KE01666-01Q

KE01666-01U

KE01667-03Q

KE01667-03D

KE01667-01P KE01667-

REPORT SUMMARY

Sampling, handling and holding time criteria was met for all samples.

Samples were collected by the client.

OUALIFIER KEY

U = Indicates that the compound was analyzed for but lower than the reported MDL.

SENIOR CHEMIST

CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1



Geochemistry Laboratory
4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT INFORMATION

Client : AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD

LAKELAND, FL 33811

Attention : W.D. (DEE) MILLER III, P.E

Report ID: 0401051608

BILLING INFORMATION

Bill To : AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No.

SAMPLE IDENTIFICATION

IDENTIFICATION : 9073 / AQUA CLEAN

SITE

TYPE : WATER

FIELD PARAMETERS

SPECIFIC CONDUCTANCE:

pΗ

WATER TEMPERATURE : DISSOLVED OXYGEN : INITIAL WATER LEVEL : WELL ELEVATION : FIELD TURBIDITY : FIELD COLOR : FACILITY GMS #

COMMENTS

UNIQUE ID# 01U BOD 01Q TSS 01M TN

0401051608 - Page 1 of 6



Geochemistry Laboratory

FAX 863/646-1042 PHONE 863/646-8526 4320 Old Highway 37, Lakeland, Florida 33813

CLIENT NAME AQUA CLEAN ENVIROMENTAL CO, INC

: 9073 / AQUA CLEAN **IDENTIFICATION**

SITE

TYPE WATER Report ID: 0401051608

1/30/04 COLLECTION DATE 11:00 **COLLECTION TIME**

CLIENT . COLLECTED BY 1/30/04 DATE RECEIVED IN LAB:

DETECTION

TIME/DATE

STARTED RESULTS UNIT ANALYST METHOD LIMITS PARAMETER

INORGANICS

KE01666-01U 15:00 1/30/04 mg/L 5210 B BOD5 (BIOCHEMICAL OXYGEN DEMAND)

KE01666-01M

8:30 2/17/04 mg/L 351.2/353. TOTAL NITROGEN

KE01666-01Q

15:40 1/30/04 DP * mg/L EPA 160.2 · 1 TOTAL SUSPENDED SOLIDS DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY WARY WITH MATRIX AND CONCENTRATION.

0401051608 - Page 2 of 6



Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT INFORMATION

Client AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD LAKELAND; FE 33811

Attention W.D. (DEE) MILLER III, P.E.

Report ID: 0401051608
BILLING INFORMATION

Bill To: AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No.:

SAMPLE IDENTIFICATION

IDENTIFICATION 9074 / AQUA CLEAN

SITE TYPE

:: OTHER

FIELD PARAMETERS

SPECIFIC CONDUCTANCE

ъH

WATER TEMPERATURE
DISSOLVED OXYGEN
INITIAL WATER LEVEL
WELL ELEVATION
FIELD TURBIDITY
FIELD COLOR

FACILITY GMS#

COMMENTS

UNIQUE ID#
03D TCLPVOL
01P TCLP METALS
03D %SOLIDS

0401051608 - Page 3/of 6



Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813, PHONE 863/646-8526

Report ID: 0401051608

1/30/04

FAX 863/646-1042

CLIENT NAME **IDENTIFICATION** AQUA CLEAN ENVIROMENTAL CO, INC 9074 / AQUA CLEAN

COLLECTION DATE COLLECTION TIME

11:00

SITE TYPE

OTHER

COLLECTED BY DATE RECEIVED IN LAB

CLIENT 1/30/04

DETECTION

METHOD LIMITS PARAMETER

ANALYST RESULTS UNIT

TIME/DATE STARTED

ORGANICS

TCLP 8 HEAVY METALS EPA 1311

KE01667-

TCLP 8 HEAVY METALS EPA 1311.

COMPLE

AEM 11:05 2/13/04

TED

0401051608 - Page 4 of 6



4320 Old Highway 37, Lakeland, Florida 33813 PHONE 863/646-8526

FAX 863/646-1042

CLIENT NAME IDENTIFICATION . AQUA CLEAN ENVIROMENTAL CO, INC

Report ID: 0401051608 COLLECTION DATE **COLLECTION TIME**

1/30/04 11:00

SITE TYPE

KE01667-01P

KE01667-01P

9074 / AOUA CLEAN

OTHER

COLLECTED BY CLIENT 1/30/04 DATE RECEIVED IN LAB:

TIME/DATE

DETECTION LIMITS RESULTS UNIT **ANALYST STARTED METHOD** PARAMETER: **INORGANICS** KE01667±03Q 15:30 1/30/04 % DP. EPA 160.3 0.01 72:55 % SOLID KE01667-01P 11:22 2/13/04 WAF U mg/L **EPA 7060** 0.001 ARSENIC AS AS TCLP

SMW 14:28 2/10/04 0.49 BARIUM AS BA TCLP **EPA 6010** 0.1 mg/L KE01667-01P SMW-14:25 2/10/04 EAP 6010 0.005 U mg/L CADMIUM AS CD TCLP

SMW 14:25 2/10/04 CHROMIUM AS CR TCLP **EPA 6010** 0.04 U mg/L KE01667-01P 0.001 SMW 11:53 2/12/04 LEAD AS PB TCLP EPA 7421 0.011 mg/L

KE01667-01P **EPA 7471** 0.0001 U. **SMW** 15:17 2/11/04 MERCURY AS HG TCLP mg/L

KE01667-01P SELENIUM AS SE TCLP 11:37 2/16/04 EPA 7740 0.002 U mg/L

KE01667-01P

SILVER AS AG TCLP SMW 13:53 2/18/04 EPA 6010 0.005 mg/L DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION.

0401051608 - Page 5 of 6



Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526 FAX 863/646-1042

CLIENT NAME **IDENTIFICATION** :

AQUA CLEAN ENVIROMENTAL CO, INC

9074 / AQUA CLEAN

TYPE -OTHER Report ID: 0401051608

COLLECTION DATE COLLECTION TIME

DATE RECEIVED IN LAB

1/30/04 11:00

COLLECTED BY

CLIENT 1/30/04

DETECTION

TIME/DATE

PARAMETER

LIMITS **METHOD**

RESULTS UNIT ANALYST STARTED

ORGANICS .

TCLP VOLATILES

KE01667-03D

EPA 8260 0.00004 BENZENE

0.0551

mg/L

11:42 2/11/04

0401051608 - Page 6 of 6

methods which meet FDER or other state protocol unless otherwise designated.

REPORTING ADDRESS ATTN: CLIENT: ADDRESS			P.E. LaMoreaux & Associates 4320 Old Highway 37 Lakeland, Florida 33813 (863) 646-8526 CHAIN OF CUSTODY							INVOICING ADDRESS: ATTN: CLIENT: ADDRESS:				51	L608	
PROJECT NAME PROJECT NO: PROJECT CONTACT:	PROJECT LOCATION PURCHASE ORDER NO. PROJECT TEL: NO	R (S)OIL (O)THER	Ç			~	7. 10 A		TELP REWZEN P.		} . } .	>0 mo>	PAGE	FIELD PAR	OF	
SAMPLER NAME(S) SAMPLING DATE TIME	WWW SAMPLE IDENTIFICATION	TYRE (W)/ATE		BER	OF C	ONTAIL CONT	NERS AINER	/ CONT	AINER SIZE	& T\ S' (0)	PE / PRES		(nimos/cm)	Hd	TEMP (%C)	D.O.
730/04 1/100 710/04 1/100	9013 9014	0	X			X		X.	X		X	X		<u> </u>	200 S	
	The state of the s													13 (17) 16 (16) 16 (16)		
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FOR E	RELA LABORATORY USE ONL		(SIR)	AB	OΗΔ	noava:	IEMY)	rikes								





P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

0403051611

FAX 863/646-1042

CASE NARRATIVE

SENT TO: AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

3210 WHITTEN RD LAKELAND, FL 33811

863-644-0665

REPORT ID

PROJECT NO.

PELA CONTACT

RECEIVED DATE : 3/19/04

REPORTED DATE: 3/30/04



LAB ID#

KE04431-01Q

KE04431-01U-

KE04431-01M

KE04432-

KE04432-01P

KE04432-03Q

KE04432-03D

REPORT SUMMARY

Sampling, handling and holding time criteria was met for all samples.

Samples were collected by the client

OUALIFIER KEY

U = Indicates that the compound was analyzed for but lower than the reported MDL.

J = Sample matrix interference precludes accurate determination

SENIOR CHEMIST

LABORATORY DIRECTOR

CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1



REPORT OF ANALYSis

P.E. LaMoreaux and Associates, Inc.
Geochemistry Laboratory
4320 Old Highway 37 Lakeland, Florida 3

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 863/646-8526

FAX 863/646-1042

CLIENT INFORMATION

Client AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD

LAKELAND, FL 33811

Attention: W.D. (DEE) MILLER III, P.E.

Report ID: 0403051611 BILLING INFORMATION

Bill To: AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No.:

SAMPLE IDENTIFICATION

IDENTIFICATION: 9085

SITE

TYPE: WATER

FIELD PARAMETERS

SPECIFIC CONDUCTANCE:

nΗ

WATER TEMPERATURE

DISSOLVED OXYGEN

INITIAL WATER LEVEL

WELL ELEVATION FIELD TURBIDITY

FIELD COLOR

FACILITY GMS #

COMMENTS

UNIQUE ID# 01U BOD 01Q TSS 01M TN

0403051611 - Page 1 of 5





P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT INFORMATION

Client AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD

Attention W.D. (DEE) MILLER III, P.E.

LAKELAND, FL 33811

Report ID: 0403051611 BILLING INFORMATION

Bill To: AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No.:

SAMPLE IDENTIFICATION

IDENTIFICATION: 9086 (SOIL)

SITE

TYPE : OTHER

FIELD PARAMETERS

SPECIFIC CONDUCTANCE:

pH.

WATER TEMPERATURE

DISSOLVED OXYGEN-

INITIAL WATER LEVEL

WELL ELEVATION

FIELD TURBIDITY

FIELD COLOR FACILITY GMS #

COMMENTS

UNIQUE ID#
03D TCLP BENZENE
01P METALS
03Q % SOLIDS

0403051611 - Page 3 of 5



P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory 4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

CLIENT NAME IDENTIFICATION SÎTE TYPE PARAMETER	AQUA CLEAN EN: 9086 (SOIL) OTHER		L CO, INC DETECTION LIMITS	Report COLLE COLLE COLLE DATE I	3/16/04 9:00 CLIENT 3/19/04 TIME/DATE STARTED			
INORGANICS						٠,		
KE04432-03Q						(1) 3	÷	
%SOLID		EPA 160.3	0.01	90.1	. %	DP	15:00	3/19/04
KE04432-01P					•			
ARSENIC AS AS TO	LP	EPA 7060	0.001	U	mg/L	SM	13:17	3/24/04
KE04432-01P	20년(1년) 1월 1일 - 1일					e ^e		
BARIUM AS BA TC	L P	EPA 6010	0.1	0.32	mg/L	SM	. 11:10	3/24/04
KE04432-01P	T.		• :					
CADMIUM AS CD T	CLP	EAP 6010	0.005	U	mg/L	SM	11:10	3/24/04
KE04432-01P								
CHROMIUM AS CR	TCLP	EPA 6010	0.04	U	mg/L	SM	11:10	3/24/04
KE04432-01P								
LEAD AS PB TCLP		EPA 7421	0.001	0.015	mg/L	SM	16:04	3/24/04
KE04432-01P				• • • •		:		
MERCURY AS HG T	CLP	EPA 7471	0.0001	U	mg/L	SM	15:25	3/24/04
KE04432-01P								
SELENIUM AS SE T	CLP	EPA 7740	0.002	U	mg/L	SM	10:11	3/24/04
72T04422 01D					• •			
KE04432-01P SILVER AS AG TCL	P	EPA 6010	0.005	U	mg/L	SM	15:14	3/24/04
DETECTION	LIMITS REPORTED ARE			WHICH MAY				

CONCENTRATION.

0403051611 - Page 4 of 5





P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

DATE RECEIVED IN LAB:

CLIENT NAME IDENTIFICATION : AQUA CLEAN ENVIROMENTAL CO, INC

Report ID: 0403051611

SITE

: 9086 (SOIL)

COLLECTION DATE :

3/16/04 9:00

TYPE

OTHER

COLLECTION TIME COLLECTED BY

CLIENT 3/19/04

DETECTION

TIME/DATE

PARAMETER

METHOD LIMITS

RESULTS UNITS ANALYST **STARTED**

ORGANICS

TCLP VOLATILES

KE04432-03D BENZENE

EPA 8260 0.00004 0.00241

12:00 3/24/04

0403051611 - Page 5 of 5

CLIENT NAME

SITE

TYPE

OTHER

FAX 863/846-1042

REPORT OF ANALYSI.

aMoreaux and Associates, inc.

Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 863/646-8526

AQUA CLEAN ENVIROMENTAL CO, INC

IDENTIFICATION : 9086 (SOIL)

Report ID: 0403051611

COLLECTION DATE : 3/16/04 **COLLECTION TIME** 9:00 **COLLECTED BY** CLIENT

DATE RECEIVED IN LAB: 3/19/04 DETECTION PARAMETER TIME/DATE METHOD RESULTS UNITS ANALYST LIMITS STARTED **INORGANICS**

KE04432-030 % SOLID **EPA 160.3** 0.01 90.1 DP 15:00 3/19/04 KE04432-01P ARSENIC AS AS TCLP **EPA 7060** 0.001 U mg/L SM 13:17 3/24/04 KE04432-01P BARIUM AS BA TCLP **EPA 6010** 0.1 0.32 mg/L SM 11:10 3/24/04 KE04432-01P CADMIUM AS CD TCLP **EAP 6010** 0.005 U mg/L SM 11:10 3/24/04 KE04432-01P CHROMIUM AS CR TCLP **EPA 6010** 0.04 U mg/L SM 11:10 3/24/04 KE04432-01P LEAD AS PB TCLP EPA 7421 0.001 0.015 mg/LSM 16:04 3/24/04 KE04432-01P MERCURY AS HG TCLP EPA 7471 0.0001 U mg/LSM 15:25 3/24/04 KE04432-01P SELENIUM AS SE TCLP EPA 7740 0.002 U mg/L 10:11 3/24/04 SM

KE04432-01P SILVER AS AG TCLP **EPA 6010** 0.005 15:14 3/24/04

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND

CONCENTRATION.

0403051611 - Page 4 of 5

03/30/2004 15:56 8636461042 **PELA**

PAGE 06

REPORT OF ANALYSI

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 803/648-8528

FAX 883/648-1042

CLIENT NAME **IDENTIFICATION** SITE

: AQUA CLEAN ENVIROMENTAL CO, INC : 9086 (SOIL)

Report ID: 0403051611 COLLECTION DATE :

3/16/04

TYPE

: OTHER

COLLECTION TIME **COLLECTED BY**

DATE RECEIVED IN LAB:

9:00 CLIENT 3/19/04

PARAMETER **ORGANICS**

DETECTION **METHOD** LIMITS

TIME/DATE RESULTS UNITS ANALYST

STARTED

KE04432-03D BENZENE

TCLP VOLATILES

EPA 8260

0.00004 0.00241

mg/L

JMS

12:00 3/24/04

0403051611 - Page 5 of 5



REPORT OF ANALYSis

4320 Old Highway 37, Lakeland, Florida 33813 PHONE 863/646-8526

0302051601

FAX 863/646-1042



SENT TO: AQUA CLEAN ENVIROMENTAL CO. INC

W.D. (DEE) MILLER III, P.E.

3210 WHITTEN RD

LAKELAND, FL 33811

PELA CONTACT

RECEIVED DATE.

LAB ID# KD02155-03D KD02155-01P KD02155-

REPORT SUMMARY

Sampling, handling, and holding time criteria, were met for all samples

Samples were collected by the client.

SENIOR CHEMIST

LABORATORY DIRECTOR

CERTIFICATE OF RESULTS

Sample integrity certified prior to analysis. Uncertanties in test results are available upon request. Test results meet all requirements of the NELAC Standards, except as noted in the Case Narrative. This report may not be reproduced in part, results relate only to items tested. This report includes a case narrative, report of analysis, attachments, and chain of custody.

Narrative Page 1 of 1





4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT INFORMATION

Client

: AQUA CLEAN ENVIROMENTAL CO, INC

3210 WHITTEN RD

LAKELAND, FL 33811

Attention: W.D. (DEE) MILLER III, P.E.

Report 10: 0302051601 BILLING INFORMATION

Philippid Halokaration

Bill To : AQUA CLEAN ENVIROMENTAL CO, INC

W.D. (DEE) MILLER III, P.E.

P.O. BOX 7183

LAKELAND, FL 33807

Purchase Order No. :

SAMPLE IDENTIFICATION

IDENTIFICATION

: 8998

SITE

TYPE-

SOIL

FIELD PARAMETERS

SPECIFIC CONDUCTANCE

pН

WATER TEMPERATURE

DISSOLVED OXYGEN

INITIAL WATER LEVEL

WELL ELEVATION

FIELD TURBIDITY

FIELD COLOR

FACILITY GMS#

COMMENTS

UNIQUE ID# 01P TCLP 8HM / 01A-TCLP VOL

Subcontract Lab: FLDOH No.E83018

0302051601 - Page 1 of 4



ن EPORT OF ANALYS

P.E. LaMoreaux and Associates, Inc.

Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT NAME AQUA CLEAN ENVIROMENTAL CO, INC

Report ID: 0302051601

IDENTIFICATION: 8998

COLLECTION DATE :

2/12/03

SITE

COLLECTION TIME

10:00

TYPE

COLLECTED BY DATE RECEIVED IN LAB:

CLIENT

DETECTION

2/12/03

PARAMETER

LIMITS **METHOD**

RESULTS UNIT ANALYST TIME/DATE **STARTED**

ORGANICS

TCLP 8 HEAVY METALS EPA 1311

KD02155-

TCLP 8 HEAVY METALS EPA 1311

COMPLE TED

AEM

16:19 3/2/03

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION. ND- NONE DETECTED.

0302051601 - Page 2 of 4



REPORT OF ANALYSIS

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

DENTIFICATION 8 SITE	NQUA CLEAN ENV 998 OIL		CO, INC	Report I COLLEC COLLEC COLLEC DATE R	2/12/03 10:00 CLIENT 2/12/03 TIME/DATE			
PARAMETER	Ala Maria Laur	METHÔD L		RESULTS	UNIT A	NALYST	SŢAF	
<u>INORGANICS</u>						in the state of th		
KD02155-01P. ARSENIC AS AS TCLP		EPA 7060	0.001	ND	mg/L	SMW	16:31	2/19/03
KD02155-01P BARTUM AS BA TCLP		EPA 6010.	0.1	0.24	mg/L	SMW	16:20	2/18/03
KD02155501P CADMIUM AS CD TCI	P	EAP 6010	0.005	ND	mg/L	SMW	16:20	2/18/03
KD02155-01P CHROMIUM AS CR TO	ï.P	EPA 6010	0.04	NĐ	mg/L	SMW	16:20	2/18/03
KD02155-01P LEAD AS PB/TCLP		EPA 7421	0.001	0.010	mg/L	SMW	14:18	2/18/03
KD02155-01P MERCURY AS HG TCI	P	EPA 7471	0.0001	NĎ	mg/L	SMW	12:04	2/24/03
KD02155-01P SELENIUM AS SE TCL	P	EPA 7740	0.002	ND	mg/L	SMW	15:09	2/27/03
KD02155=01P SILVER AS AG TCLP		EPA 6010	0.005	ND	mg/L	SMW	16:17	2/21/03

ND-NONE DETECTED.



REPORT OF ANAL

P.E. LaMoreaux and Associates, Inc. Geochemistry Laboratory

4320 Old Highway 37, Lakeland, Florida 33813

PHONE 863/646-8526

FAX 863/646-1042

CLIENT NAME

AQUA CLEAN ENVIROMENTAL CO, INC

Report ID: 0302051601

IDENTIFICATION

8998

COLLECTION DATE

2/12/03 10:00

SITE **TYPE**

SOIL

COLLECTION TIME COLLECTED BY

CLIENT

2/12/03

PARAMETER

DETECTION

DATE RECEIVED IN LAB:

TIME/DATE

METHOD LIMITS RESULTS UNIT **ANALYST** **STARTED**

ORGANICS

TCLP VOLATILES

KD02155=03D

BENZENE -

EPA 8260 0.00100 0.124

SUB

8:00 2/20/03

DETECTION LIMITS REPORTED ARE METHOD DETECTION LIMITS WHICH MAY VARY WITH MATRIX AND CONCENTRATION. ND- NONE DETECTED.

0302051601 - Page 4 of 4

REPORTING ADDRESS: ATTN CLIENT: ADDRESS PROJECT NAME PROJECT LOCATION					4320 Lakela (8	Old Hig ind, Flor (63) 646	& Associa hway 37 ida 33813 8526 USTOD	л а	INVOICING ADDRESS: ATTN: CLIENT: ADDRESS:				U1 	
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REPORT ATTN: CLIENT: ADDRES	ING ADDRESS:	P.E. LaMor 4320 Ol Lakeland (863 CHAIN O	ld Higl I, Flori 5) 646-8	1way 37 da 3381 3526	3	INVOIC ATTN: CLIEN ADDRI		Nº 51601				
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	NAME(S) MPLING TIME	SAMPLE IDENTIFICATION	NUMBER OF A	CONTAIN	JER:TYPES (P	LASTIC GUASS	OTHER "	節が 残る 様 日本	(mɔ/soumn) Sc	.	TEMP (°C)	0 0
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Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Analytical Report: 8827

Date Sampled: 02/27/2002

Page: Page 1 of 2 Date: 03/06/2002

 $\mathcal{A}_{\mathcal{F}}^{\mathbf{f}_{\mathbf{g}}}$

Log #: L60914-1

Time Sampled: 08:45

Date Received: 02/27/2002

Collected By: Client

Sample	Descr:	iption:
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Soil

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
						*	-
Percent Solids							
Percent Solid	81	8	SM2540B	0.10	02/28	02/28	PT
TCLP Extraction Date	/	3 .	4044 5777				017
TCLP ZHE Extraction	03/04	date	1311 ZHE				sv
Volatile Aromatics/Halocarbons							
Benzene	3.7	mg/kg (dw)	5030/8260	2.5	03/04	03/04	\mathtt{BL}
Dilution Factor	1000 MI		5030/8260		03/04	03/04	\mathtt{BL}
Surrogate Recoveries:							
Dibromofluoromethane	110	%	5030/8260	52-155	03/04	03/04	BL
Toluene-D8	138	%	5030/8260	46-154	03/04	03/04	ВL
4-Bromofluorobenzene	136	%	5030/8260	36-138	03/04	03/04	BL
TCLP BTEX Compounds							
Benzene	\mathtt{BDL}	mg/1	5030/8260	0.10	03/05	03/05	sv
Dilution Factor	1.0		5030/8260		03/05	03/05	SV
Surrogate Recoveries:							
Dibromofluoromethane	118	용	5030/8260	68-145	03/05	03/05	sv
Toluene-d8	117	ક	5030/8260	62-133	03/05	03/05	sv
4-Bromofluorobenzene	111	%	5030/8260	56-135	03/05	03/05	sv
Metals							
Arsenic	1.5	mg/kg (dw)	3050/6010	0.62	03/03	03/04	SB
Barium	95	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB
Cadmium	1.5	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB
Chromium	20	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB
Lead	46	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB
Selenium	\mathtt{BDL}	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB
Silver	2.5	mg/kg (dw)	3050/6010	1.2	03/03	03/04	SB

Sample Description:

Soil

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Analytical Report: 8827

Date Sampled: 02/27/2002

Page: Page 2 of 2

Date: 03/06/2002 Log #: L60914-1

Time Sampled: 08:45

Date Received: 02/27/2002

Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
Metals (continued)							
Mercury	\mathtt{BDL}	mg/kg (dw)	7471	0.12	03/05	03/05	LL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	1000	02/28	03/01	RR
PCB 1221	BDL	ug/kg (dw)	•	1000	02/28	03/01	RR
PCB 1232	BDL	ug/kg (dw)	•	1000	02/28	03/01	RR
PCB 1242	BDL	ug/kg (dw)	•	1000	02/28	03/01	RR
PCB 1248	BDL	ug/kg (dw)	•	1000	02/28	03/01	RR
PCB 1254	BDL	ug/kg (dw)	3550/8082	1000	02/28	03/01	RR
PCB 1260	\mathtt{BDL}	ug/kg (dw)	3550/8082	1000	02/28	03/01	RR
Dilution Factor	50 MI		3550/8082		02/28	03/01	RR
Surrogate Recoveries:							
TCMX	\mathtt{DL}	왕	3550/8082	48-126	02/28	03/01	RR
Decachlorobiphenyl	\mathtt{DL}	%	3550/8082	47-159	02/28	03/01	RR
Florida Petroleum Range Organic							
TPH(C8-C40)	17000	mg/kg (dw)	FLPRO	620	03/03	03/04	AW
Dilution Factor	1000	mg/kg (dw)	FLPRO	620	03/03	03/04	AW
Surrogate Recoveries:	100		FLPRO		03/03	03/04	AW
-	77.7	0	TI DDO	60 100	02/02	02/04	7. 7. 7
o-Terphenyl	DL	%	FLPRO	62-109	03/03	03/04	AW
Tritriacontane	\mathtt{DL}	8	FLPRO	60-118	03/03	03/04	AW
General Chemistry							
Extractable Halogens	1200	mg/kg (dw)	9023	49	03/04	03/04	MA

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

QAP# 980126 DOH# E86240 SUB DOH# 86122,86109,E86048 ADEM ID# 408

ADEM ID# 40850 TN CERT# 02985 NC CERT# 444
MA CERT# M-FL449
CT CERT# PH-0122

GA CERT# 917

ELPAT# 13801 VA CERT# 00395

SC CERT# 96031001

USDA Soil Permit# S-35240

Respectfully submitted,

LouAnn Jones
Project Manager

USBiosystems	CHAIN OF Log # 60914	Quote: 10 60 50 70 100 15 15	Samples INTACT upon arrival? Received ON WET ICE? Temp. PROPER PRESERVATIVES indicated? Received WITHIN HOLDING TIME?
Company Name Agua Clean	PO#		CUSTODY SEALS INTACT? VOLATILES, reca WOUT HEADSPACE? PROPER CONTAINERS used? Matrix Codes*
Address 32/0 White	Zip 3391/18		SD Solid Waste OL OII GW Ground Water SL Sludge EFF Effluent SO Soil Sediment AFW Analyte Free H ₂ O AQ Aqueous WW Waste Water NA Nonaqueous
Project Name 53.	Fax# 646 /880 Proj#		DW Drinking Water PE Petroleum SU Surface Water O Other Pres/Codes A None G: Na ₂ S ₂ O ₃
Sampler CU - A Manual M	Container	2021 2027 702 703 703 703 703 703 703 703 703 703 703	B. HNO3 H. NaHSO4 C.H;SO4 I. ICE D. NaOH J. MCAA E. HCL O. Other F. MeOH
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01 1011 01 1011 01 1011 		2 11:32 M. Hugg 2/27/02 11:32 5 1700 VE 2/27/02 170	888-862-LABS 561-447-7373 888-456-4846 Fax
		Rayt Da 3/28/2 1012	C.O.C. # 34480



Souding & Solids

Client #: TAM-97-100301

Address: Aquaclean Environmental Co.,

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Date: 07/17/2002

Log #: L65212-1

Page: Page 1 of 1

Sample Description:

Analytical Report: 8916

Date Sampled: 07/09/2002

Time Sampled: 16:00

Date Received: 07/10/2002

Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
TCLP Extraction Date							
TCLP ZHE Extraction	07/11	date	1311 ZHE				\mathtt{BL}
TCLP BTEX Compounds			•				
Benzene	BDL	mg/l	5030/8260	0.10	07/14	07/14	BL
Dilution Factor	1.0		5030/8260		07/14	07/14	\mathtt{BL}
Surrogate Recoveries:			•				
Dibromofluoromethane	88.0	_,	5030/8260	68-145	07/14	07/14	BL
Toluene-d8	86.0	8	5030/8260	62-133	07/14	07/14	$_{ m BL}$
4-Bromofluorobenzene	78.0	&	5030/8260	56-135	07/14	07/14	BL

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

OAP# 980126

SUB DOH# 86122,86109,E86048 SC CERT# 96031001

USACE

VA CERT# 00395

DOH# E86240

ADEM ID# 40850

NC CERT# 444

CT CERT# PH-0122

TN CERT# 02985

GA CERT# 917

USDA Soil Permit# S-35240

espectfully submitted,

Gaile Melissinos Project Manager

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74.7 77.7	lress	ugu	u	XX	<u>u</u>			1.		anrie	المراد الم	40	17 (15) 17 (14)	4			5-15-174						Matri	x Codes	*
City				<u>.</u>	State	``````````````````````````````````````	Zip								11 - 1942 11 - 19 170			, sr	· 2/6			SD Solid GW Grou EFF Efflu	d Waste und Water Jent lyte Free H ₂ O	ÖL Öİ SL SI SO So	ludge oil Sediment
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Address: Aquaclean Environmental Co., Inc.

P.O. Box 7183

Lakeland, FL 33807 Attn: Ron Etter

Sample Description:

Analytical Report: 8746

Date Sampled: 09/04/2001 Time Sampled: 10:00

Page: Page 1 of 3 Date: 09/14/2001

Log #: L55970-1

Date Received: 09/04/2001

Collected By: Client

9			· -		Analysis	_
Results	Units	Method	Limit	Date	Date	Analyst
			* *.			
85	ૄ	SM2540B	0.10	09/05	09/05	KB
09/07	date	1311 ZHE				sv
arbons						
BDL	mg/kg (dw)	5030/8260	0.012	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	BL .
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.29	09/07	09/07	BL
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.012	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	• •	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL		5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.024	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.029	09/07	09/07	$_{ m BL}$
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.012	09/07	09/07	ВL
\mathtt{BDL}	mg/kg (dw)	5030/8260	0.012	09/07	09/07	\mathtt{BL}
BDL	mg/kg (dw)	5030/8260	0.012	09/07	09/07	\mathtt{BL}
	85 09/07 arbons BDL BDL BDL BDL BDL BDL BDL BD	09/07 date Description of the state of the	85 % SM2540B 09/07 date 1311 ZHE BDL mg/kg (dw) 5030/8260	## Results Units Method Limit 85	85 % SM2540B 0.10 09/05 09/07 date 1311 ZHE arbons BDL mg/kg (dw) 5030/8260 0.012 09/07 BDL mg/kg (dw) 5030/8260 0.029 09/07	Results Units Method Limit Date Date 85 % SM2540B 0.10 09/05 09/05 09/07 date 1311 ZHE ZHE 2 arbons BDL mg/kg (dw) 5030/8260 0.012 09/07 09/07 BDL mg/kg (dw) 5030/8260 0.029 09/07 09/07 BDL mg/kg (dw) 5030/8260 0.029

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Page: Page 2 of 3 **Date:** 09/14/2001 Log #: L55970-1

Sample Description:

Analytical Report: 8746

Date Sampled: 09/04/2001 Time Sampled: 10:00

Date Received: 09/04/2001

Collected By: Client

·				Reportable		Analysis	
Parameter	Results	Units	Method	Limit	Date	Date	Analyst
Volatile Aromatics/Haloca	rbons	(continued)					
Methylene Chloride	BDL	mg/kg (dw)	5030/8260	0.059	09/07	09/07	\mathtt{BL}
1,1,2,2-Tetrachloroethan	BDL	mg/kg (dw)	5030/8260	0.0059	09/07	09/07	\mathtt{BL}
Tetrachloroethene	BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
1,1,1-Trichloroethane	BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
1,1,2-Trichloroethane	BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
Trichloroethene	BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
Trichlorofluoromethane	BDL	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
Benzene	\mathtt{BDL}	mg/kg (dw)	5030/8260	0.012	09/07	09/07	\mathtt{BL}
Toluene	0.094	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
MTBE	BDL	mg/kg (dw)	5030/8260	0.29	09/07	09/07	\mathtt{BL}
Ethylbenzene	0.071	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
Total Xylenes	0.34	mg/kg (dw)	5030/8260	0.029	09/07	09/07	\mathtt{BL}
Dilution Factor	5.0		5030/8260		09/07	09/07	\mathtt{BL}
Surrogate Recoveries:							
Dibromofluoromethane	53.0	ક	5030/8260	52-155	09/07	09/07	\mathtt{BL}
Toluene-D8	103	ક	5030/8260	46-154	09/07	09/07	BL
4-Bromofluorobenzene	87.0	& .	5030/8260	36-138	09/07	09/07	BL
TCLP BTEX Compounds							
Benzene	BDL	mg/l	5030/8260	0.10	09/12	09/12	sv
Dilution Factor	1.0	J.	5030/8260		09/12	09/12	sv
Surrogate Recoveries:			,		•	•	
Dibromofluoromethane	101	8	5030/8260	68-145	09/12	09/12	sv
Toluene-d8	12.0	ક	5030/8260	62-133	09/12	09/12	sv
4-Bromofluorobenzene	95.0	95	5030/8260	56-135	09/12	09/12	sv
Metals			•				
Arsenic	2.1	mg/kg (dw)	3050/6010	0.59	09/06	09/07	SB
Barium	56	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Cadmium	BDL	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Chromium	12	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Lead	16	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Selenium	BDL	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Silver	BDL	mg/kg (dw)	3050/6010	1.2	09/06	09/07	SB
Mercury	BDL	mg/kg (dw)	7471	0.12	09/05	09/05	ZL
Polychlorinated Biphenyls							
PCB 1016	BDL	ug/kg (dw)	3550/8082	2000	09/05	09/06	RR
PCB 1221	BDL	ug/kg (dw)	3550/8082	2000	09/05	09/06	RR
100 1001	חמם	ug/kg (uw)	3550/6062	2000	03/03	02/00	KK

Aquaclean Environmental Co., Inc. Address:

P.O. Box 7183

Lakeland, FL 33807 Attn: Ron Etter

Page: Page 3 of 3 Date: 09/14/2001

Log #: L55970-1

Sample Description:

Analytical Report: 8746

Date Sampled: 09/04/2001

Time Sampled: 10:00

Date Received: 09/04/2001

Collected By: Client

					Reportable	Extr.	Analysis	
Parameter	Results	Unit	s	Method	Limit	Date	Date	Analyst
Polychlorinated Biphenyl	s (contin	ued)						
PCB 1232	BDL	ug/kg	(dw)	3550/8082	2000	09/05	09/06	RR
PCB 1242	BDL	ug/kg	(dw)	3550/8082	2000	09/05	09/06	RR
PCB 1248	BDL	ug/kg	(dw)	3550/8082	2000	09/05	09/06	RR
PCB 1254	BDL	ug/kg	(dw)	3550/8082	2000	09/05	09/06	RR
PCB 1260 ·	BDL	ug/kg		3550/8082	2000	09/05	09/06	RR
Dilution Factor	100	3,3	•	3550/8082		09/05	09/06	RR
Surrogate Recoveries:				•				
TCMX	88.0	કૃ		3550/8082	48-126	09/05	09/06	RR
Decachlorobiphenyl	76.0	왕		3550/8082	47-159	09/05	09/06	RR
General Chemistry								
Extractable Halogens	BDL	mg/kg	(dw)	9023	47	09/06	09/06	IG
Florida Petroleum Range	Organics							
TPH (C8-C40)	10	mg/kg	(dw)	FLPRO	5.9	09/06	09/07	WA
Dilution Factor	1.0	3, 3		FLPRO		09/06	09/07	AW
Surrogate Recoveries:								
	53.0 IL	ક		FLPRO	62-109	09/06	09/07	WA
o-Terphenyl		8		FLPRO	60-118	09/06	09/07	WA
Tritriacontane	57.0 IL	•		1 11 110	3 -		•	

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper flg. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank

FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

QAP# 980126 SUB DOH# 86122,86109,E86048 ADEM ID# 40850 SC CERT# 96031001

TN CERT# 02985 ELPAT# 13801 VA CERT# 00395

DOH# E86240

NC CERT# 444

MA CERT# M-FL449 CT CERT# PH-0122

GA CERT# 917

USDA Soil Permit# S-35240

Steve Walton

Client Technical Svcs. Manager

USBiosystems	CHAIN OF C Log # <i>55970</i>		RECORD WY	75 75 P Rec PRC CU	TAB USE ONLY mples INTACT upon arrival? mples INTACT upon arrival? poper PRESERVATIVES indicated? ceived WITHIN HOLDING TIME? STODY SEALS INTACT?
Company Name Aguaclean	PÓ#				IVATILES rec'd W/OUT HEADSPACE? OPER CONTAINERS used?
Address 320 Whiten Pa		50-I-			Matrix Codes*
city Lake and state FI	zip_33811				F Effluent SO Soil Sediment W Analyte Free H ₂ O AQ Aqueous
Attn: REFE	ax# 6461880	在有所有			W Waste Water NA Nonaqueous W Drinking Water PE Petroleum I Surface Water O Other (Please Specify)
	roj#	1 1 2 3 3 3 3 3 3 3 3 3 3			Pres/Codes (A. None G. Na;5 ₂ O ₃
	hone# <i>694-0665</i> Matrix Contains	802.1 ZLP Ben FIA RO	PCB		B. HNO3 H. NaH5O4 C. H ₂ SO4 I. ICE D. NaOH J. MCAA E. HCL O. Other F. MeOH
	Code*	5 M G			REMARKS
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01 H	= 9/4/01./ D 3/4/01./	7:00 /Am	John Francisco	9/4/01/21/40 9/4/01/17:00 Visto, pes 7	3231 N.W. 7th Avenue Boca Raton, FL 33431 888-862-LABS 561-447-7373 888-456-4846 Fax 561-447-6136 Fax
#					c.o.c. # 19076



Sample Description:

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Analytical Report: 8767

Date Sampled: 11/29/2001

Page: Page 1 of 2 Date: 12/06/2001

Log #: L58374-1

Time Sampled: 07:45

Date Received: 11/29/2001

Collected By: Client

Parameter	Results	Units	Method	Reportable Limit	Extr. Date	Anly. Date	Analyst
TCLP Extraction Date							
TCLP Extraction	11/30	date	1311 EXTR			,	VR
TCLP ZHE Extraction	12/04	date	1311 ZHE		12/04	12/04	GG
TCLP BTEX Compounds							
Benzene	\mathtt{BDL}	mg/l	5030/8260	0.10	12/05	12/05	GG
Dilution Factor	1.0		5030/8260		12/05	12/05	GG
Surrogate Recoveries:							
Dibromofluoromethane	80.0	ક	5030/8260	68-145	12/05	12/05	GG
Toluene-d8	80.0	용	5030/8260	62-133	12/05	12/05	GG _.
4-Bromofluorobenzene	79.0	%	5030/8260	56-135	12/05	12/05	GG
TCLP Metals							
Arsenic	\mathtt{BDL}	mg/1	3010/6010	0.050	12/01	12/03	WM
Barium	1.2	mg/1	3010/6010	0.010	12/01	12/03	WM
Cadmium	BDL	mg/1	3010/6010	0.010	12/01	12/03	WM
Chromium	BDL	mg/l	3010/6010	0.010	12/01	12/03	MM
Lead	BDL	mg/l	3010/6010	0.050	12/01	12/03	WM
Selenium	BDL	mg/l	3010/6010	0.10	12/01	12/03	MM
Silver	\mathtt{BDL}	mg/l	3010/6010	0.020	12/01	12/03	MM
Mercury	BDL	mg/l	7470	0.010	12/03	12/04	$\Gamma\Gamma$

Sample Description:

Address: Aquaclean Environmental Co., Inc.

PO Box 7183

Lakeland, FL 33807 Attn: Dee Miller

Analytical Report: 8767

Date Sampled: 11/29/2001

Time Sampled: 07:45

Date Received: 11/29/2001

Collected By: Client

Reportable Extr. Anly.

Page: Page 2 of 2

Date: 12/06/2001

Log #: L58374-1

Parameter

Results

Units

Method

Limit

Date

Date Analyst

TCLP Metals (continued)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements. Flags: BDL or U-below reporting limit; DL-diluted out; IL-meets internal lab limits; MI-matrix interference; NA-not appl. Flags: CFR-Pb/Cu rule; ND-non detect(RL estimated); NFL-no free liquids; dw-dry wt; ww-wet wt; C(#)-see attached USB code FLDEP Flags: J(#)-estimated 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol FLDEP Flags: L-exceeds calibration; Q-holding time exceeded; T-value < MDL; V-present in blank FLDEP Flags: Y-improper preservation; B-colonies exceed range; I-result between MDL and PQL

OAP# 980126

DOH# E86240

NC CERT# 444

SUB DOH# 86122,86109,E86048

ADEM ID# 40850 TN CERT# 02985

MA CERT# M-FL449 CT CERT# PH-0122

SC CERT# 96031001

GA CERT# 917

ELPAT# 13801 VA CERT# 00395

USDA Soil Permit# S-35240

Respectfully submitted,

LouAnn Jones

Project Manager

CHAIN OF USBIOSYSTEMS Log # 58374	CUSTODY RECORD TAM 44 1003 Ouote: VOV SO SO 100	LAB USE ONLY Samples INTACT upon armival? Received ON WET ICE? Temp PROPER PRESERVATIVES indicated? Received WITHIN HOLDING TIME?
Company Name Agua Clean End PO#		CUSTODY SEALS INTACT? VOLATILES rec'd W/OUT HEADSPACE? PROPER CONTAINERS used? Matrix Codes*
Address 3210 Whitten (20) City La keland State FC Zip 33811 Attn: Part 646-1860	30 n e e e e e e e e e e e e e e e e e e	SD. Solid Waste OL Oil GW Ground (Water SL Sludge SEFF Effluent SD Soli Sediment AFW Analyte Free H.O. AQ Aqueous WW. Waste Water NA Nonaqueous DW Drinking (Water PE Petroleum SU Sul Surface Water O Other
Project Name Sampler Div E Hey Name/Signature Matrix Rroj# Rhone# 6 449 0665	CLP Bertalian	Pres/Codes A. None G. Na;52O3 B. HNO3 H. NaH5O4 C. H25O4 I. ICC D. NaOH J. MCAA E. HCL O: Other.
01 8767 1129 7.45 \$ 2 082		F.MeOil REMARKS
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None 1	2 Other	
01 WHTHE 11/29/6 01 WHTHE 11/29/6	1 15:40 () () () () () () () () () (3231 N.W. 7th Avenue Boca Raton, FL 33431 888-862-LABS 7:00 561-447-7373 888-456-4846 Fax 56 561-447-6136 Fax
-#-		c.o.c. # 33805