

**ANNUAL REPORT
TO THE U.S. DISTRICT COURT
FOR THE
CORPUS CHRISTI AIR MONITORING AND SURVEILLANCE CAMERA PROJECT**

*Activity Summary for the period from
October 2, 2003 through September 30, 2004*

A. ADVISORY BOARD

1. An eight member Advisory Board was appointed December, 2003. The members follow:

Ms. Gretchen Arnold	Member-at-Large and Co-Chair
Mr. Ron Barnard	Near Non-Attainment Area Liaison and Co-Chair
Dr. Eugene Billiot	Measurement Technologies Expert
Dr. Ardys Boostrom	Local Public Health
Ms. Lena Coleman	Neighborhood Organization and Recording Secretary
Mr. Vinay Dulip	Local Educator
Dr. Glen E. Kost	Member-at-Large
Ms. Pat Suter	Local Advocacy Group

2. Two meetings of the Advisory Board and one teleconference with the Advisory Board were held during the first year:
 - a. *First meeting:* January 16, 2004 @ Texas A&M University in Corpus Christi Texas
 - Six Board Members and representatives from UT, TCEQ and EPA attended.
 - Rules of operation of the Advisory Board were discussed and appointment of Co-Chairs established.
 - Board (and other meeting attendees) provided input on the selection of the Contractor for installation of the monitoring sites.
 - Briefing books with meeting handouts were distributed.
 - Meeting notes were prepared and distributed after the meeting.
 - Subcommittee of Board provided input (subsequent to meeting) on placement and field of view of the two cameras to be installed.

 - b. *Second meeting:* May 25, 2004 @ Texas A&M University in Corpus Christi Texas
 - Eight Board Members and representatives from TCEQ, UT and the U.S. District Court attended.
 - With assistance from the Board, a meeting with the Solar Estates neighborhood was organized. (A meeting with representatives from the neighborhood was held on July 13, 2004. Attendees were updated on the project and the placement and field of view of the camera proposed for installation adjacent to Solar Estates Park.)
 - Board provided input on the use of Supplemental Environmental Project Funds awarded to the University by TCEQ.

- Board provided input on requirements to be written into the Request for proposal for the Operations and Maintenance Phase (Phase II) contractor.
 - Meeting Notes were prepared and distributed after the meeting.
- c. *A teleconference* was held on September 23, 2004 to obtain input from the Advisory Board on the recommendation for awarding the Operations and Maintenance Phase (Phase II) contract.
- The following Board Members and Project Personnel participated:

Gretchen Arnold	David Kennebeck
Eugene Billiot	David Allen
Lena Coleman	Vince Torres
Glen Kost	MaryAnn Foran
Pat Suter	

B. PHASE I: SITE INSTALLATION

Air Monitoring Station Schedule and Equipment

Phase I.a. The installation of the first three (3) monitoring stations

Phase I.a. Sites	Description of Site Location	Monitoring Equipment				
		Auto GC	Event Triggered Samplers	Sulfur Compound Monitors	Meteorology Station	Surveillance Camera
1.a	Oak Park Recreation Center	Yes	Yes		Yes	
1.d	TCEQ Monitoring Site C199 @ Dona Park		Yes	Yes		Yes
1.g	Solar Estates Park at end of Sunshine Road	Yes	Yes	Yes	Yes	Yes

Phase I.a. Sites are scheduled for acceptance testing by mid December of 2004.

Phase I.b. The installation of the remaining four (4) monitoring stations

Phase I.b. Sites	Description of Site Location	Monitoring Equipment				
		Auto GC	Event Triggered Samplers	Sulfur Compound Monitors	Meteorology Station	Surveillance Camera
1.b	Grain Elevator @ Port of Corpus Christi		Yes	Yes	Yes	
1.c	J. I. Hailey Site @ Port of Corpus Christi		Yes	Yes	Yes	
1.e	Port of Corpus Christi building on west end of CC Inner Harbor		Yes	Yes	Yes	
1.f	Off Up River Road on Flint Hills Resources Easement		Yes	Yes	Yes	

Phase I.b. Sites are scheduled for completion and acceptance testing by January 31, 2005.

C. PHASE II: OPERATIONS AND MAINTENANCE OF SITES

1. Request for Proposals for an Operations and Maintenance (O&M) contractor was prepared and posted on July 21, 2004.
2. A recommendation for two (2) O&M contractors was accepted by Project representatives.
3. Negotiation of the O&M contracts is expected to be completed in the last Quarter of calendar year 2004.
4. The O&M contracts are expected to be completed and contractors transitioned into operation by the end of February 2005.

D. PROJECT MANAGEMENT AND PLANNING

Project Management and Planning during the first year has focused on four (4) major activities.

1. Project Schedule

A Project schedule was prepared and maintained and used to keep stakeholders apprised of the status of major project activities.

2. Communication

Information about the status of the Project has been communicated through:

- a. Project Website which is operational with portions under development,
- b. Monthly Progress Reports, and
- c. Quarterly Technical and Financial Reports.

3. Budget Monitoring

The first year of budget monitoring has focused on:

- a. Project costs for Phase I, Site Installation, and
- b. Administration and oversight costs incurred by the University

4. Other Contributions

The University of Texas at Austin was awarded funding for a Supplemental Environmental Project (SEP) from the Texas Commission on Environmental Quality. The SEP funding will support the Air Monitoring and Camera Surveillance network in Corpus Christi for an additional year of operation and will provide funding for the development of a Trajectory Analysis Tool centered on the Air Monitoring Network. Appendix A is the Scope of Work and budget for the SEP Project.

APPENDIX A

TCEQ - SEP Project Scope of Work and Budget

Kathleen Hartnett White, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



APPENDIX A

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 13, 2004

David Allen, Ph.D., Principal Investigator
Center for Energy and Environmental Resources
J.J. Pickle Research Campus
10100 Burnet Road, Building 133 MC R7100
Austin, Texas 78758

Dear Dr. Allen:

This letter is in response to the Draft Air Monitoring and Trajectory Assessment Project Work Plan submitted on August 2, 2004 (see enclosure), which details tasks to be funded in the Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project. The Supplemental Environmental Project (SEP) Agreement between the University of Texas at Austin and the Texas Commission on Environmental Quality (TCEQ) sets out the procedure to follow regarding tasks to be approved on page twelve of the agreement. The tasks to be funded are set out on pages six and seven of the SEP agreement. This work plan successfully details task one, Extension of Project Monitoring, and task three, Development of Air Quality Modeling Capability for Network for which TCEQ previously approved funding.

TCEQ approves the attached work plan and is looking forward to seeing the project progress over the next two years.

Sincerely,

A handwritten signature in black ink that reads "David Brymer".

David Brymer, Manager
Laboratory and Mobile Monitoring Section
Monitoring Operations Division

Enclosure

DB/bb

cc: Kate Hodgins, Litigation Division

**WORK PLAN
AIR MONITORING AND TRAJECTORY ASSESSMENT
PROJECT**

Submitted By

THE UNIVERSITY OF TEXAS AT AUSTIN
on behalf of the
Center for Energy and Environmental Resources

1. **Principal Investigator:** David Allen, Ph.D.
2. **Key Personnel:** David Allen, Vincent M. Torres, Gary McGaughey, MaryAnn Foran, and Denzil Smith
3. **Quality Assurance/Quality Control Procedures:** The University of Texas at Austin (UT Austin) Corpus Christi Air Monitoring Project Extension Task – The project for which this task is an extension will have in place a TCEQ approved Quality Assurance Project Plan, which will be followed for this task. Trajectory Assessment Task – QA/QC procedures for this task will include a systematic review of the mathematical equations used, review of the data utilized for accuracy in transfer and processing, and sanity checks of the model output for agreement with independent data that has been quality control reviewed.
4. **Time Line:** The period of performance for the UT Austin Corpus Christi Air Monitoring Project Extension Task will be September 1, 2004 to August 31, 2005. The period of performance for the Trajectory Assessment Task will be August 1, 2004 to July 31, 2006. A task schedule is provided in Figure 2.
5. **Budget:** The budget for the Corpus Christi Air Monitoring Project Extension Task is \$680,000 and the budget for the Trajectory Assessment Task is \$190,000. A detailed budget for each task provided in Table 1.
6. **Technical Approach/Method:**
UT Austin Corpus Christi Air Monitoring Project Extension Task
As described in Attachment A, the University will, through a separate agreement, install, maintain and operate an air monitoring and surveillance camera network along the Corpus Christi ship channel to record the concentrations of specific air pollutants along the industrial area. This separate agreement is a Court Ordered Condition of Probation (“COCP”) under *U.S. v. Koch Petroleum Group, L.P.* (S.D. Tex.) CR-C-00-325. Through the contract issued under the COCP, the University will install seven air monitoring stations, which will record concentrations of hydrogen sulfide (total reduced sulfur), sulfur dioxide and volatile organic compounds, including benzene, and meteorological data. Data obtained from the monitors will be made available to the public via the TCEQ website (Internet) as soon as possible after it becomes available electronically. Additionally, access to view the images captured by the surveillance cameras will be made available to the public via the Internet.

Table 1. Air Monitoring and Trajectory Assessment Project Budget

	<i>Monitoring</i>	<i>Modeling Tools</i>	<i>Total</i>
	<i>9/1/04-8/31/05</i>	<i>8/1/04-7/31/06</i>	<i>8/1/04-7/31/06</i>
PI/CO-PI			
A. David Allen	\$7,428	\$0	\$7,428
B. Vincent M. Torres	\$88,121	\$0	\$88,121
TOTAL PI/Co-PI	\$95,549	\$0	\$95,549
OTHER PROFESSIONALS			
A. Research Engineer	\$38,821	\$12,032	\$50,853
B. Research Engineer	\$0	\$54,688	\$54,688
C. Project Management	\$37,780	\$0	\$37,780
D. Systems Analyst-Web Design	\$22,212	\$49,811	\$72,023
TOTAL Other Professionals	\$98,813	\$116,531	\$215,344
ADMINISTRATIVE			
A. Technical - Financial report prep. Data base mgmt	\$45,990	\$21,584	\$67,574
TOTAL-Administrative	\$45,990	\$21,584	\$67,574
SUBTOTAL - S&W	\$240,352	\$138,115	\$378,467
FRINGE BENEFITS			
1. GRA (28%)	\$0	\$0	\$0
2. NON-ACADEMIC(26%)	\$62,492	\$35,910	\$98,402
TOTAL-Fringe Benefits	\$62,492	\$35,910	\$98,402
TOTAL S&W + FRINGE BENEFITS	\$302,844	\$174,025	\$476,869
PERMANENT EQUIPMENT			
A. HARDWARE	\$0	\$11,975	\$11,975
TOTAL EQUIPMENT	\$0	\$11,975	\$11,975
TRAVEL			
A. DOMESTIC	\$4,800	\$1,000	\$5,800
TOTAL TRAVEL	\$4,800	\$1,000	\$5,800
OTHER DIRECT COSTS			
A. MATERIALS/SUPPLIES	\$6,649	\$3,000	\$9,649
B. CANISTER ANALYSIS	\$81,060	\$0	\$81,060
C. QUALITY ASSURANCE	\$10,000	\$0	\$10,000
D. CONTINGENCY	\$17,000	\$0	\$17,000
E. DECOMMISSIONING	\$0	\$0	\$0
F. TUITION & FEES	\$0	\$0	\$0
G. SUBCONTRACT (maintenance & operations)	\$257,647	\$0	\$257,647
TOTAL OTHER DIRECT COSTS	\$372,356	\$3,000	\$375,356
TOTAL DIRECT COSTS	\$680,000	\$190,000	\$870,000
INDIRECT COSTS (n/a)	\$0	\$0	\$0
TOTAL COSTS	\$680,000	\$190,000	\$870,000

Under the COCP agreement (Attachment A) the University is scheduled to perform the installation and operation of the sites continuously for a minimum of 7 years (through October, 2010) and until at least \$6.760 million has been expended on the Project. The UT Austin Corpus Christi Air Monitoring Project Extension Task will extend the project for a period of one (1) year. The period for which the funds will be used to extend the project will be September 1, 2004 to August 31, 2005. The primary focus of activities during this year of the project will be acceptance testing of the seven sights as they come on line, ensuring that all data collection and transfer processes are operating properly after sites come on line, ensuring proper training of the operation and maintenance contractor and a smooth transition from the contractor establishing the sites and the O&M contractor, and ensuring that the data collected by the project is easily accessible to the public via the internet.

Trajectory Assessment Task

The objectives of the Trajectory Assessment Task are to link publicly available meteorological data collected by the UT-Corpus Christi monitoring network to a web site, and to design, develop, and implement an interactive web-based application (Trajectory Analysis tool) to generate and display both forward and backward trajectories of air parcels in the Corpus Christi area. The Trajectory Assessment tool will be limited to a geographic area 10 km (north/south) by 20 km (east/west) centered on the University's Corpus Christi Air Monitoring Network. Air parcel trajectories will be calculated, on demand, for historical events (any day prior to the current date at the time of the request) only.

The steps in the development of the Trajectory Analysis tool will be:

1. Develop a data archiving system to allow access to surface wind observations
2. Develop trajectory calculation software
3. Develop interface software
4. Develop web site and notification tool

Subtask A: Database Archive The wind observations (speed and direction) collected by the UT-Corpus Christi monitoring network must be readily accessible for the trajectory calculations. The University will develop and maintain the wind field database using a web-based system such as MySQL Database. Scripting languages will be used to automate the download of wind data collected by the Corpus Christi monitoring network on a routine basis. The system will be designed to incorporate wind data from as many additional monitoring networks as possible within the Corpus Christi area, but to be included in the data assimilation system, the data from the sites must be publicly available from the TCEQ database archive.

Subtask B: Trajectory Calculation Software For trajectories based on observational data, software will be written to advect a hypothetical air parcel two-dimensionally using the area-averaged wind speed and direction. The algorithm will treat the air parcel as a discrete point that moves with the average wind.

Subtask C: Interface Software Numerous scripts and batch jobs will be required to automate the exchange of data and information between the various computational resources developed for this project. The heterogeneity of the software and hardware environments will require the

development of middleware tools to integrate the computational applications. Initially we intend to use Open Source Programming such as PHP scripting language and MySQL Database.

Subtask D: Public Access Website and notification tool An Internet site will be developed using HyperText Markup Language (HTML) and Flash software. The web-interface will open with an interactive map centered on the Corpus Christi area. It will allow users to zoom in and out, and to pan interactively at any particular location on the Corpus Christi map. It will also contain searchable information (e.g., main freeway, main facilities etc...) so that users can select preset points instead of panning the map. As the user moves the mouse around on the map, the interface will automatically show and update instantly the latitude-longitude information at the mouse selected map locations.

Upon selection of an initial geographic location from the interface, the user will be prompted for additional information (e.g., date, starting time, total runtime, forward or backward, etc.) required for the calculation of the requested trajectory. The user-provided information will be transferred to the database server, where the trajectory calculation software and necessary observational data are accessed. A graphic will then be generated using HTML and Flash to display the trajectory over a geographic map of the Corpus Christi area. An example mock-up of the output map is shown in Figure 1.

An additional feature of the website will be the calculation of back trajectories whenever the monitoring network instruments measure concentrations that exceed thresholds selected by the Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Advisory Board, in consultation with the TCEQ. An automated email or fax notification will be sent to TCEQ and the appropriate monitoring site operators to allow the site operators to inspect the equipment for any nonfunctioning or malfunctioning equipment. The site operator will respond to both UT-Austin and TCEQ. The subsequent action/response will be prescribed in a protocol that will be developed by UT Austin with input from the TCEQ, the Advisory Board, and industry.

Public Access to Data

UT Austin Corpus Christi Air Monitoring Project Task

Data from the monitoring sites will be made available to the public via the Internet as soon as possible after it becomes available electronically, dependant on the type of monitor. The data displayed on the Internet will be reviewed periodically for quality assurance by the University and will be subject to change pending final validation by the University. All continuous monitors and Auto GCs at the sites will be connected to the TCEQ's real-time data system. Specifically, the data will be transmitted to the TCEQ's Corpus Christi regional office hub computer and then transmitted to the TCEQ's central office in Austin for near real-time display on the TCEQ's web site. The University, through its contractor will work with the TCEQ's Monitoring Operations Division staff to obtain the necessary hardware, firmware, software, and licenses for uploading continuous monitoring data and Auto GC data to the TCEQ's MeteorStar system and for validating the data behind the TCEQ's firewall. It is anticipated the first group of monitoring sites will be operational by October 2004. The months of data collection for the effort under this SEP Project will begin when

the first monitoring sites are operational and end on August 31, 2005, the end date for the UT Austin Corpus Christi Air Monitoring Project Extension Task as identified in Section 4 of this Work Plan.

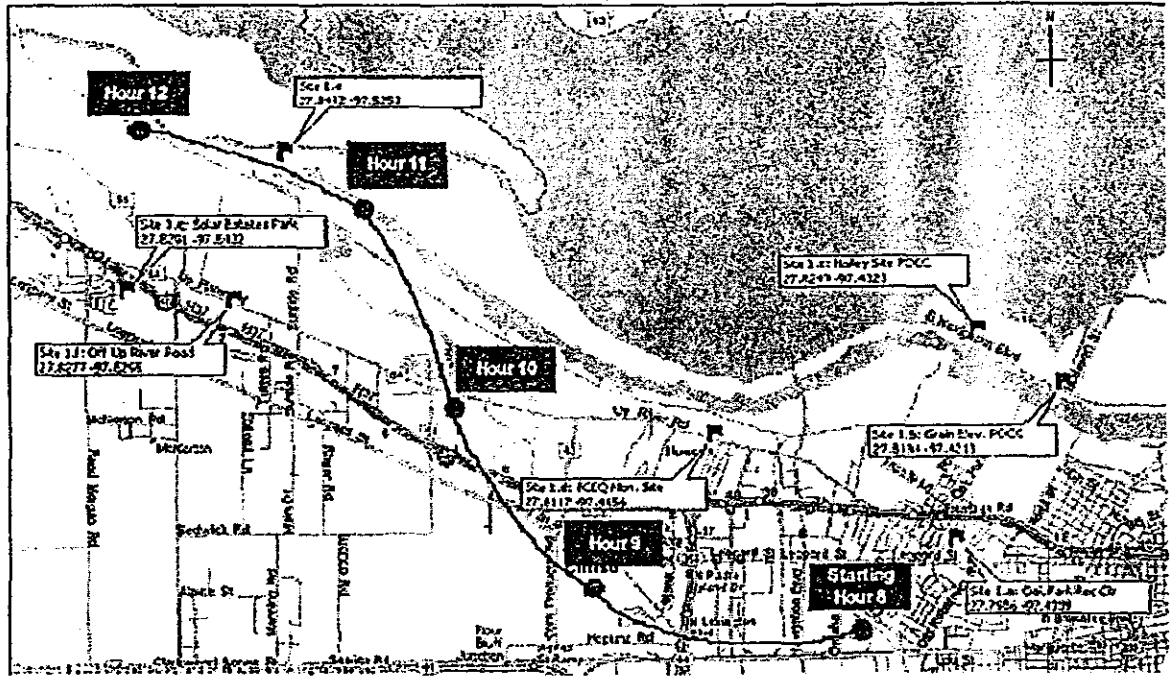


Figure 1. Mock-up of map-based output from interactive web-based trajectory tool.

Proposed Tasks	2004		2005			2006		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Assemble model components	■	■						
Real-time data collection tool	■	■	■					
Database archive system		■	■	■				
Trajectory tool			■	■	■			
Web-based user interface		■	■	■	■	■	■	■
Interface software	■	■	■					

Q3: Aug-Oct; Q4: Nov-Jan; Q1: Feb-Apr; Q2: May-Jul

Figure 2. Trajectory Assessment Task Timeline

Data from the event-triggered monitors will be available to the public on the TCEQ's web site or the University's web site within 30 days. Canister samples from the event-triggered monitors will be capable of being triggered automatically when a pre-set level of total non-methane hydrocarbons is exceeded. Canister analysis data will be provided to the TCEQ in a format mutually agreed upon by the University and the Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Advisory Board, in consultation with the TCEQ.

Images from the surveillance cameras will be made available to the public on the Center for Energy and Environmental Resources' web site located at the University. The University will operate the cameras and archive data from the cameras. The University will make the data from the cameras available to the TCEQ.

Transport Assessment Task Deliverables

The transport assessment tool will be accessible to the public through the internet. TCEQ will receive a copy of the Trajectory Assessment tool developed by Contractor as part of the deliverables under this Work Plan. Contractor will support the Trajectory Assessment tool throughout the period of performance of this SEP Project identified in Section 4. of this Work Plan.

7. Models and Software to be Used by Contractor: See Trajectory Assessment Task Description in Section 6.

8. Models, Reports, or other Data to be Supplied to the Contractor by TCEQ: The only TCEQ data required by the project from the TCEQ will be obtained from the TCEQ website.

9. Miscellaneous Other Information or Elements: None
Signed by:

Rochelle Athey, Associate Director
Office of Sponsored Projects
The University of Texas at Austin

**ANNUAL REPORT
TO THE U.S. DISTRICT COURT
FOR THE
CORPUS CHRISTI AIR MONITORING AND SURVEILLANCE
CAMERA PROJECT**

Financial Summary

Period: October 2, 2003 - September 30, 2004

A. FIRST YEAR EXPENDITURES *

Total Expenditures through 9/30/04 \$ 663,448.81*

* Summary of Expenditures in Exhibit A, attached.

B COCP FUNDS REMAINING AS OF 9/30/04

Initial deposit on 10.2.03	6,761,718.02
Less first year expenditures through 9/30/04	(663,448.81)
Plus interest earned as of 9/30/04	<u>73,831.62</u>
Total	<u>\$6,172,100.83</u>

COCP FUNDS REMAINING AS OF 9/30/04 \$6,172,100.83

EXHIBIT A

Corpus Christi Air Monitoring and Surveillance Camera Installation and Operation Project

Expenditure Summary for the Project Year 10/2/03 through 9/30/04

DESCRIPTION	First Year BUDGET	Prior Year Expenditures	Current Year Expenditures	First Year Balance reconciled to the Financial Statement	Projected First Year BALANCE ¹
SALARIES & WAGES	71,574.00	0.00	73,936.90	(2,362.90)	361.10
CEER ADMIN SALARIES	4,800.00	0.00	4,731.90	68.10	68.10
FRINGE BENEFITS	19,094.00	0.00	16,496.86	2,597.14	1,478.38
SUPPLIES	90,000.00	0.00	0.00	90,000.00	90,000.00
OTHER EXPENSES	7,532.00	0.00	3,176.42	4,355.58	4,297.58
SUBCONTRACT	1,800,000.00	0.00	477,412.00	1,322,588.00	211,950.00
TRAVEL	2,000.00	0.00	1,154.22	845.78	845.78
EQUIPMENT	5,000.00	0.00	0.00	5,000.00	5,000.00
TOTAL DIRECT COSTS	2,000,000.00	0.00	576,908.30	1,423,091.70	314,000.94
INDIRECT COSTS /15% TDC	300,000.00	0.00	86,540.51	213,459.49	47,095.88
TOTAL EXPENDITURES	\$2,300,000.00	0.00	\$663,448.81	\$1,636,551.19	¹ \$361,096.82

¹ Anticipated encumbered expenses to be paid from First Year Funds not reflected in current year expenses.

Balance of subcontractor contract amount	1,110,638.00
Indirect cost associated with above expenses	<u>166,595.70</u>
<i>Total</i>	<i>\$1,277,233.70</i>

¹ Anticipated adjustments to first year expenses not posted to the ledger by 9/30/04.

September salary adjustment	(2,724.00)
September fringe benefit adjustment	1,118.76
Other expense (September)	58.00
Indirect cost associated with above expenses	<u>(232.09)</u>
<i>Total</i>	<i>(\$1,779.33)</i>

Anticipated expenses to be paid from First Year Subcontract Funds which are not reflected in the Projected Balance.

Cost of Field Training	25,000.00
Cost of Data Validation Training	60,000.00
Additional Site Preparation Costs	10,000.00
Indirect cost associated with above expenses	<u>14,250.00</u>
<i>Total</i>	<i>\$109,250.00</i>

**CORPUS CHRISTI AIR MONITORING AND SURVEILLANCE
CAMERA PROJECT**

**University of Texas at Austin
Annual Audit Report Results**

Period: October 2, 2003 - September 30, 2004

The University's Annual Reports and Audit Statements are made available for public review at the following website:

<http://www.sao.state.tx.us/reports/2004/04-316.pdf>

Attached is a copy of The University of Texas at Austin's Certification Statement for the Office of Management and Budget (OMB) Circular A-133 Audit conducted during the 2002/2003 fiscal year. The OMB Circular A-133 Audit for the 2003/2004 fiscal year is currently being conducted. The results of the 2003/2004 Audit will be made available at the above website. It is anticipated the audit results will be posted in late Spring 2005.

SUBRECIPIENT AUDIT FORM
(including financial reports and internal controls)
FOR FISCAL YEAR
ENDING AUGUST 31, 2003

SUBRECIPIENT'S LEGAL ENTITY NAME AND ADDRESS

The University of Texas at Austin
Office of the Controller
The University of Texas at Austin
P.O. Box 7487
Austin, TX 78713-7487

- Our audit report for the subject fiscal year has been completed. Material weaknesses, material instances of noncompliance, or findings related to the management of sub-award(s) made to The University of Texas at Austin were noted.

Attached is a listing of those findings and current course of action by the University to address noted concerns. Findings are related to business process and are not specific to any individual award.

A complete copy of the State of Texas Financial Portion of the Statewide Single Audit Report for the Year Ended August 31, 2003 (Report Number 04-316) and the Independent Auditors' Report on the Federal Portion of Statewide Single Audit Report can be viewed at

<http://www.sao.state.tx.us/reports/2004/04-316.pdf>

Authorizing Signature: _____


Brian G. Gutierrez
Associate Vice President and Controller

Date: _____

3-25-04

Research and Development Cluster

[Reference No. 04-52](#)

Cash Management

(Prior Audit Issue – 03-06)

[Reportable Condition Control and Non-Compliance](#)

The University's methodology used for drawdown of Federal awards through Letters of Credit (LOC) was questioned. Although the University had several informal controls in place to mitigate risk associated with draws for Federal funds; including supervisory review at the point of draw, the controls presented to the auditors were not sufficient to avert the finding. Efforts are underway to automate the calculation of incurred expenditure and associated overhead and to enhance supporting infrastructure to ensure compliance with Federal drawdown restrictions.

[Reference No. 04-53](#)

Matching and Program Income

(Prior Audit Issue – 03-09, 02-48)

[Reportable Condition Control](#)

The University's process of monitoring Matching and Program Income was questioned. The University implemented a new procedure for capturing cost sharing/matching in June 2003. This procedure addresses both mandatory and voluntary committed cost sharing/matching. In addition, award processing has been modified to include Principal Investigator confirmation of anticipated program income at the point of award issuance.

[Reference No. 04-54](#)

Subrecipient Monitoring

(Prior Audit Issue – 03-08)

[Reportable Condition Control and Material Non-Compliance](#)

The University's process for subrecipient monitoring was questioned. Although the University has several controls in place during pre-award subrecipient negotiations, the auditors questioned the documentation efforts associated with the University's annual questionnaire and documentation of completed A-133 reports. The University's current process includes use of the federal internet database and the University's internal Research Manager System to track the status of subrecipient A-133 questionnaires and A-133 certification statements on file.

Student Financial Assistance Cluster

[Reference No. 04-55](#)

**Reporting – Pell Payment Data
Non-Compliance**

The University's data submission to the U.S. Department of Education for Pell grants was questioned. The University made use of data requirements for the Common Origination and Disbursement (COD) System which did not match to the data requirements of the U.S. Department of Education's Student Financial Aid Handbook. As a result, the University did not report the estimated family contribution to the U.S. Department of Education.

[Reference No. 04-56](#)

**Special Tests and Provisions – Disbursements To or On Behalf of Students
Non-Compliance**

The University's method for notification and confirmation receipt of rights and termination instructions for Perkins and Family Education Loans was questioned. Although the University's mainframe system will not support confirmation receipt of notifications, the University will enhance public Web pages to provide more information on student rights for these loan programs and closely monitors e-mail notification to ensure they are submitted.

[Reference No. 04-57](#)

**Special Tests and Provisions - Student Loan Repayments (Defaults)
(Prior Audit Issue – 03-10)
Material Non-Compliance**

The University's method for performing phone call notifications to students with delinquent Perkins Loans was questioned. The University has implemented a new policy regarding documentation of loan collection and notification efforts.

Corpus Christi Air Monitoring and Surveillance Camera Project

Air Monitoring Station Schedule and Equipment

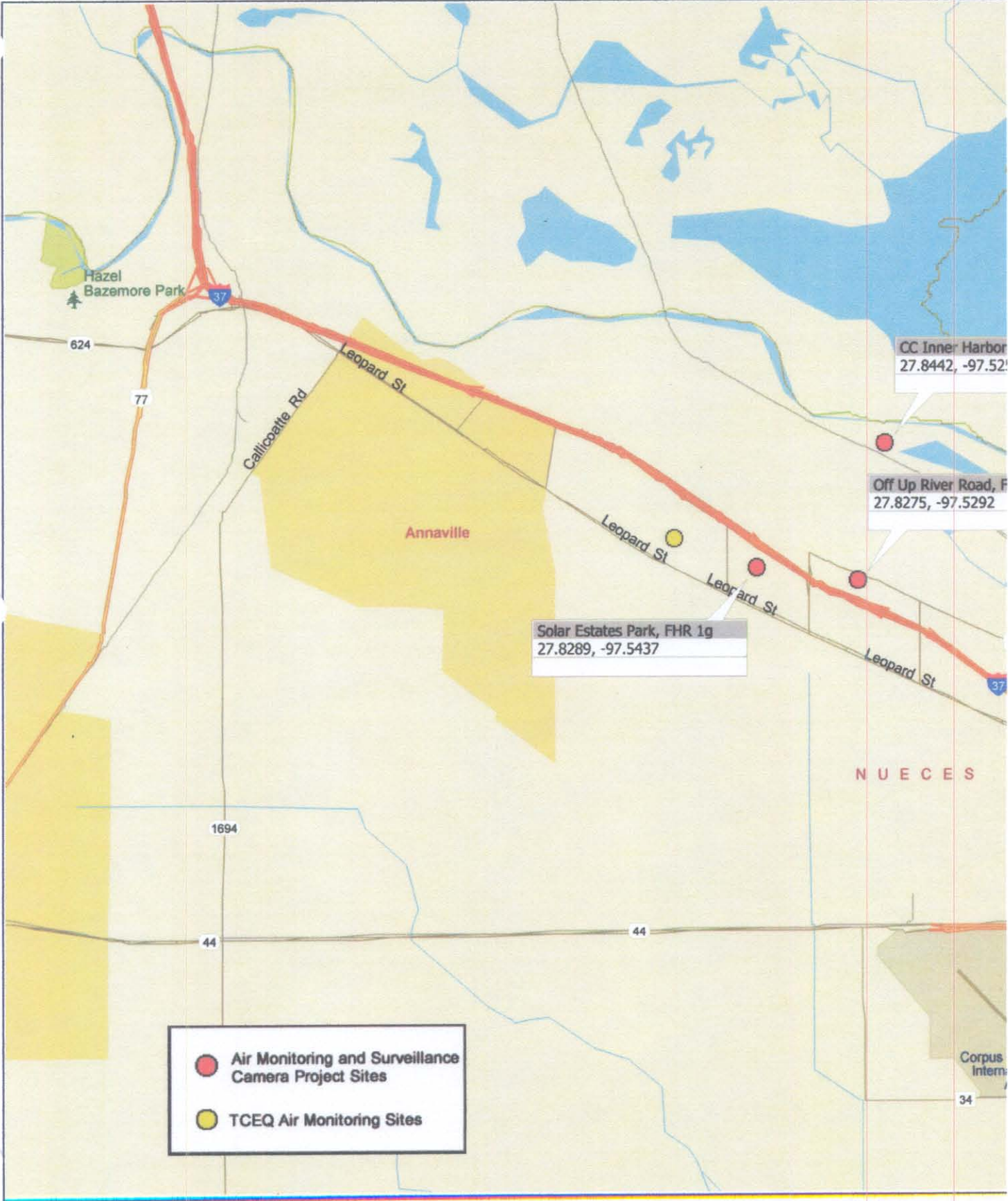
Phase 1.a. Sites

Phase 1.a. Sites	Description of Site Location	Monitoring Equipment				
		Auto GC	Event Triggered Samplers	Sulfur Compound Monitors	Meteorology Station	Surveillance Camera
1.a	Oak Park Recreation Center	Yes	Yes		Yes	
1.d	TCEQ Monitoring Site C199 @ Dona Park		Yes	Yes		Yes
1.g	Solar Estates Park at end of Sunshine Road	Yes	Yes	Yes	Yes	Yes

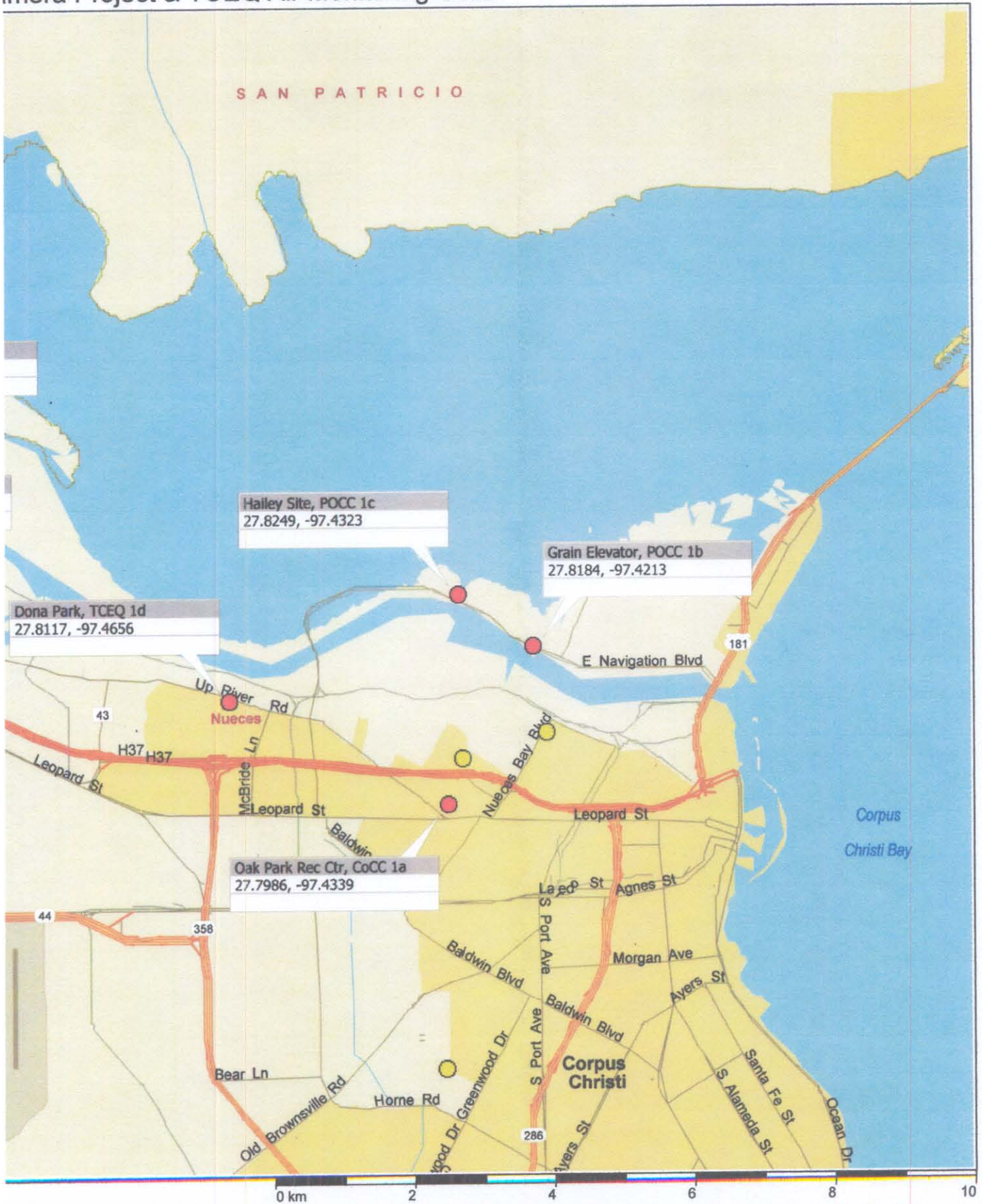
Phase 1.b. Sites

Phase 1.b. Sites	Description of Site Location	Monitoring Equipment				
		Auto GC	Event Triggered Samplers	Sulfur Compound Monitors	Meteorology Station	Surveillance Camera
1.b	Grain Elevator @ Port of Corpus Christi		Yes	Yes	Yes	
1.c	J. I. Hailey Site @ Port of Corpus Christi		Yes	Yes	Yes	
1.e	Port of Corpus Christi building on west end of CC Inner Harbor		Yes	Yes	Yes	
1.f	Off Up River Road on Flint Hills Resources Easement		Yes	Yes	Yes	

Corpus Christi Air Monitoring and Surveillance



Imera Project & TCEQ Air Monitoring Sites



PHASE 1.a. SITES

Site 1.a. Oak Park Recreation Center

Site 1.d. Dona Park

Site 1.g. Solar Estates Park

Site 1a: Oak Park



Site 1d: Dona Park



Site 1g: Solar Estates



PHASE 1.b. SITES

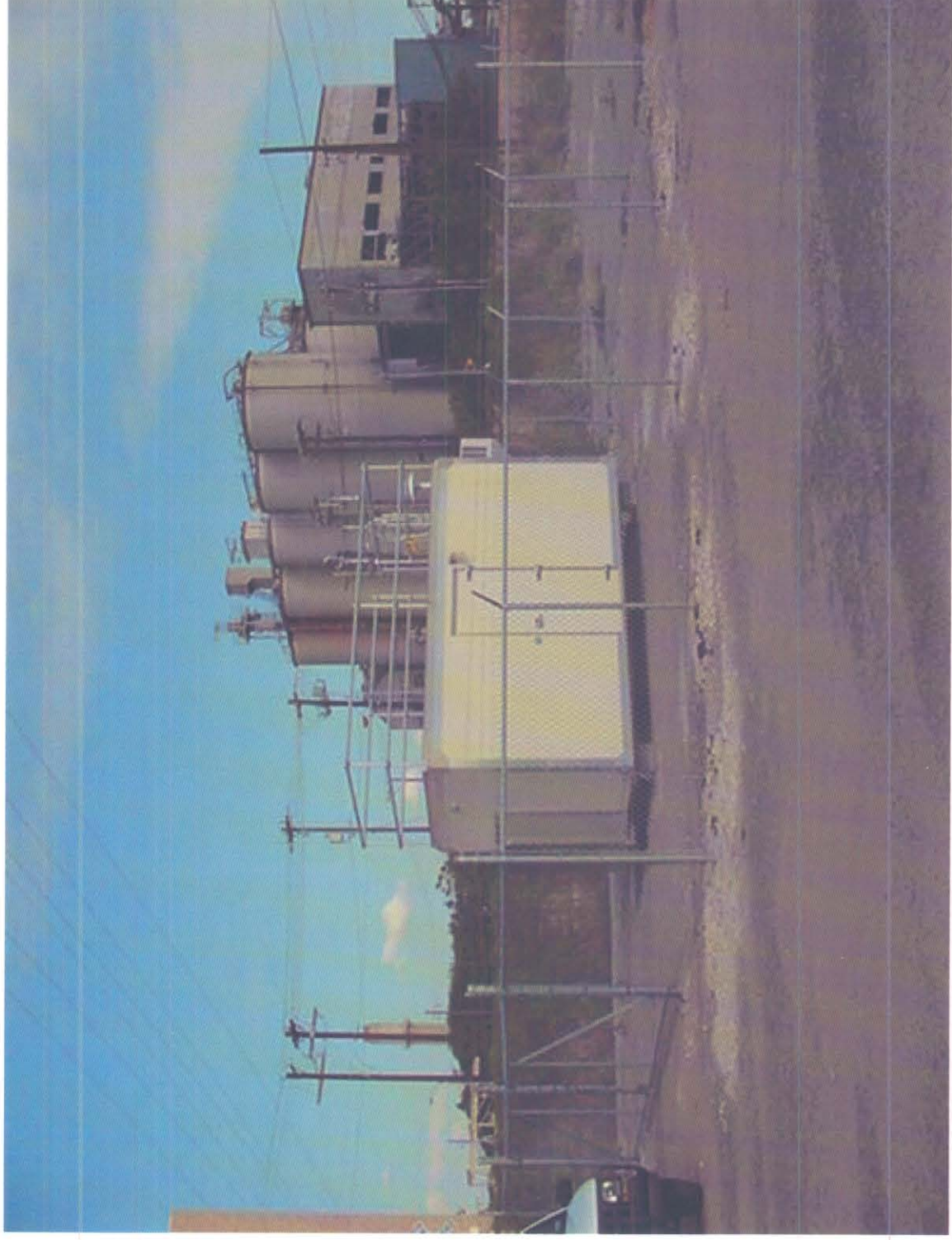
Site 1.b. Grain Elevator - Port of Corpus Christi

Site 1.c. J.I Hailey - Port of Corpus Christi

Site 1.e. CC Inner Harbor - Port of Corpus Christi

Site 1.f. Up River Road – FHR Easement

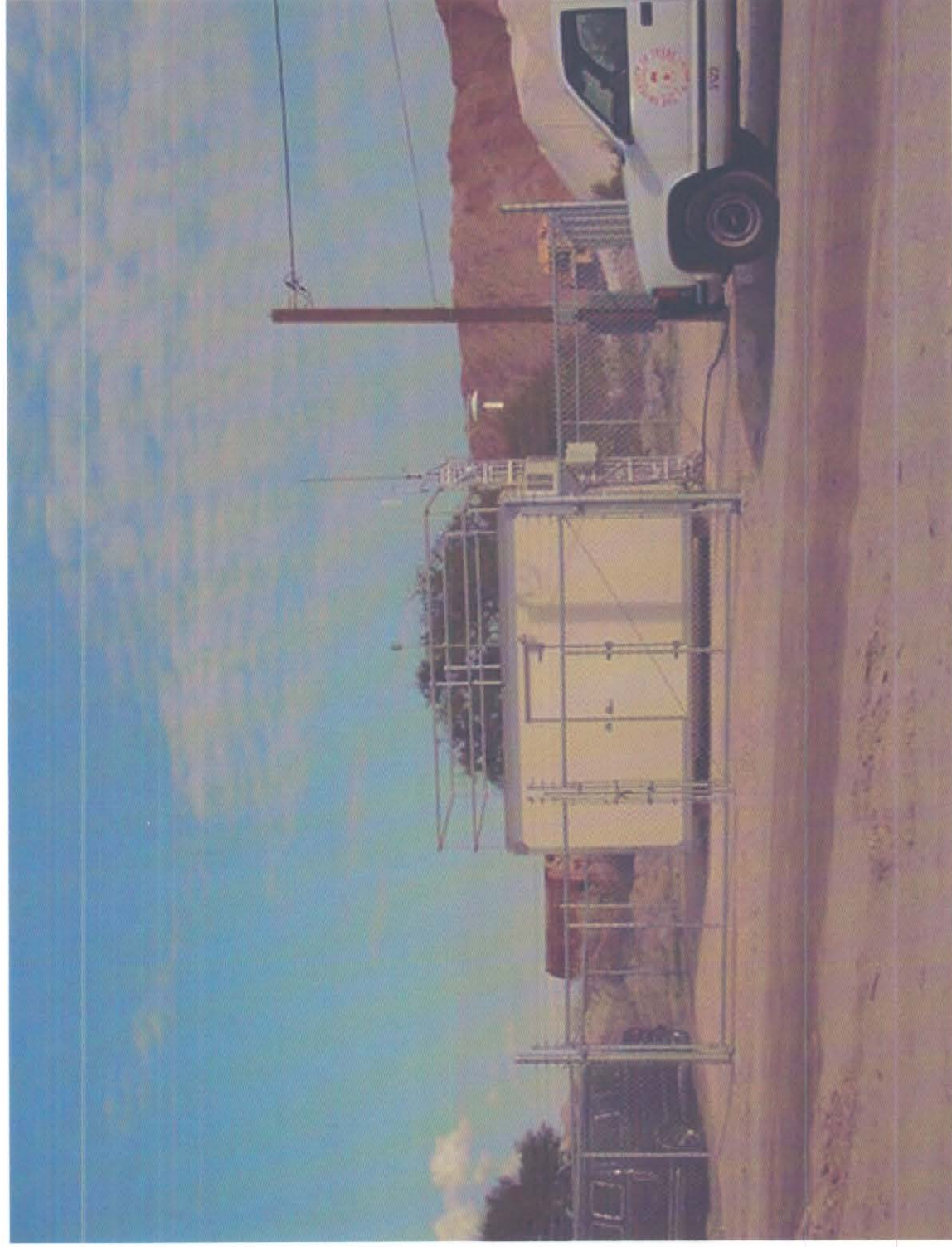
Site 1b: Grain Elevator POCC



Site 1c: J.I. Hailey POCC



Site 1e: CC Inner Harbor POCC



Site 1f: Up River Road FHR

