

U.S. DEPARTMENT OF THE NAVY

**INSTALLATION RESTORATION PROGRAM
COMMUNITY RELATIONS PLAN**

**NAVAL AIR STATION
CORPUS CHRISTI**



MAY 1993

U.S. DEPARTMENT OF THE NAVY

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CORPUS CHRISTI**



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1.0 INTRODUCTION

This Community Relations Plan (CRP) for NAS Corpus Christi develops a program to establish communication and information exchange between Navy agencies, various federal, state, county and community agencies, and the public. Effective communication and timely information exchange with the public are essential for maintaining community understanding and support of the Navy mission and for implementing successful cleanup operations and site investigations at NAS Corpus Christi.

The purpose of the CRP is to outline activities designed to inform the public of planned or ongoing actions with regard to the Navy's Installation Restoration Program (IRP) and provide opportunities for the public to offer valuable input. The primary objectives of this plan are to keep

residents of the Corpus Christi Area knowledgeable of planned and ongoing IRP activities at NAS Corpus Christi, to provide a way for citizens and agencies to interact with the Navy, and to assist in resolving issues of public interest and concern. Throughout the IRP, the CRP encourages involvement of citizens from the Corpus Christi Area, as well as representatives from federal, state and local agencies. The implementation of this CRP is required by federal and state law.

CRP Goals

- Provide for the exchange of information.
- Solicit input, comments and active involvement from the public, elected and civic leaders, and concerned agencies.
- Provide a centralized point of contact to address public concerns and distribute information regarding the NAS Corpus Christi IRP.

Information released by this Community Relations Plan and during future community relations activities as outlined in this plan will include only those environmental issues directly related to the investigation/remediation of sites covered under the Navy's IRP.

Interactions between the base and community members will focus on their involvement in this project. Public involvement begins during facility investigations and continues through the final decisions. Citizens are encouraged to become involved by attending meetings, reviewing available information, and submitting proposals to the NAS Corpus Christi Public Affairs Office.

Public Affairs Office
NAS Corpus Christi
Corpus Christi, TX 78419
(512) 939-2674

Fact sheets providing current information about site activities will be mailed to local homes, businesses, political leaders and news media. A mailing list is maintained by the NAS Corpus Christi Public Affairs Office and is included in this CRP as Appendix A. Individuals may be added to the mailing list by writing or calling the Public Affairs Office. Information is also available at a public repository which is maintained at the location listed below.

REPOSITORY LOCATION AND HOURS

Corpus Christi Public Library
Flour Bluff Branch
1456 Waldron
Corpus Christi, Texas 78418

(512) 937-5222
Tuesday-Thursday - Noon — 7 p.m.
Friday/Saturday - 10 a.m. — 6 p.m.
Closed Sunday and Monday

2.0 NAS CORPUS CHRISTI BACKGROUND

2.1 Location

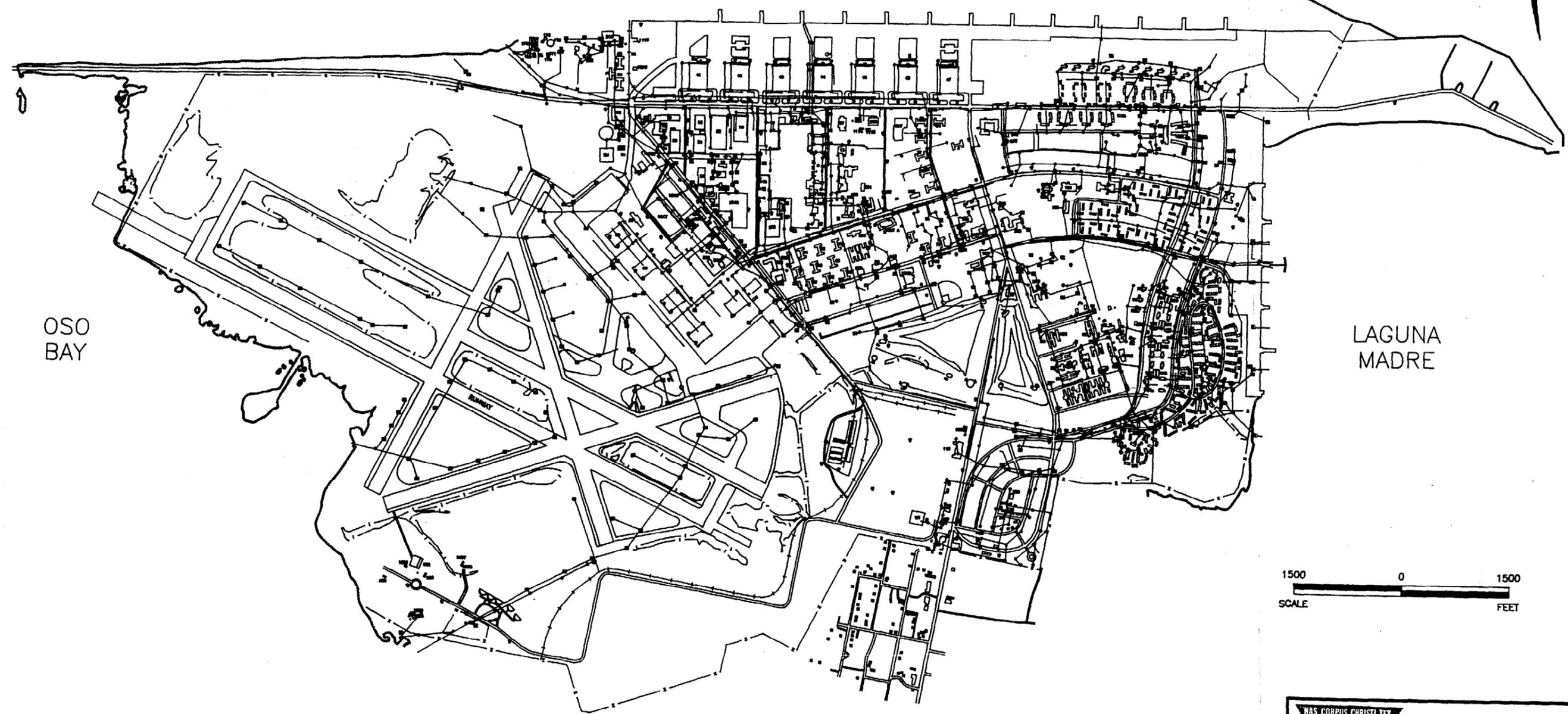
NAS Corpus Christi is located on Corpus Christi Bay in south Texas adjacent to the city of Corpus Christi. The main portion of the base encompasses approximately 2,600 acres with two nearby airfields covering approximately 2,000 more acres. NAS Corpus Christi is built on a peninsula surrounded by Laguna Madre on the east, Corpus Christi Bay on the north, and Cayo del Oso Bay on the west. The facility is located approximately 200 miles southwest of Houston and 160 miles north of Brownsville. Figure 2-1 shows the general vicinity in which NAS Corpus Christi is located.

2.2 History and Mission

Created to serve as "The University of the Air," NAS Corpus Christi was built as the United States prepared to enter World War II. In 1939, War Department planners in Washington D.C. saw a need for a new and larger pilot training facility to supplement the capabilities at Pensacola, Florida. A sub-committee of the House of Representatives Naval Affairs committee visited the Corpus Christi area later that same year and looked at a 2,050-acre tract of land at Flour Bluff. Favorably impressed with the region's moderate year-round climate and plentiful air space, Congress appropriated \$30 million for the construction of the station in 1940.

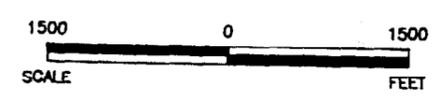
The war-time need quickened the pace of construction; in only eight months, the station was operational. When the station was commissioned on March 12, 1941, it was 70 percent complete. By the close of 1941, NAS Corpus Christi graduated more than 300 new aviators every month. After the attack on Pearl Harbor, the number of graduating aviators increased to 600 a month. During World War II, more than 35,000 naval aviators received their training at Corpus Christi, including flyers, navigators, aerologists, gunners and radio operators.

CORPUS
CHRISTI BAY

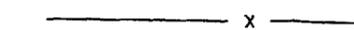
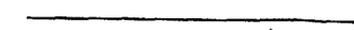
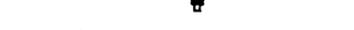


OSO
BAY

LAGUNA
MADRE



LEGEND

-  FENCE
-  RAILROAD
-  WATER FRONT
-  WETLANDS
-  STORM SEWER SYSTEM
-  SANITARY SEWER SYSTEM
-  FIRE HYDRANT



COMMUNITY RELATIONS
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS

FIGURE 2-1
LOCATION MAP
CORPUS CHRISTI N.A.S.

DATE: 05/17/93 DWG NAME: 035FI2-1

The end of World War II meant scaling down at military installations across the country, including NAS Corpus Christi. The auxiliary stations in south Texas at Kingsville and Beeville were temporarily shut down in 1946. However, the future of NAS Corpus Christi was secured with the arrival of the Naval Air Advanced Training Command Headquarters.

While the aircraft and training programs have changed over the years, the basic mission of NAS Corpus Christi has remained constant ... to provide the highest quality of support to the Naval Air Training Command. Aviator training at NAS Corpus Christi is conducted under the operational and administrative control of the Commander, Training Air Wing Four. TRAWINGFOUR is made up of three training squadrons: VT-27, VT-28 and VT-31.

Headquartered at NAS Corpus Christi is the Chief of Naval Air Training (CNATRA) who is responsible for all Navy flight training. Under CNATRA's command are five training air wings, 16 training squadrons, more than 14,000 Navy and civilian personnel nationwide, the training aircraft carrier USS Forrestal, the Blue Angels Flight Demonstration Squadron, the Naval Aviation Schools Command and the National Museum of Naval Aviation. Established in August 1971, the Naval Air Training Command moved to its present headquarters on July 1, 1972.

The largest tenant command at NAS Corpus Christi is the Corpus Christi Army Depot (CCAD) which leases nearly 140 acres from the station and is the largest industrial employer in south Texas. Established in 1961 as a relatively small maintenance facility for fixed wing aircraft, CCAD has evolved into the Army's largest helicopter repair, overhaul and maintenance center.

Other tenant units at NAS Corpus Christi include the United States Coast Guard, the United States Marine Corps and the United States Customs Service. Thirty-nine tenant commands and activities are located on station. Together with the tenant units, NAS Corpus Christi employs more than 8,000 people with an approximate annual payroll of \$350 million.

3.0 ENVIRONMENTAL PROGRAMS — SITES AND STATUS

3.1 Installation Restoration Program

In 1980, Congress passed the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This law set up a " Superfund" for cleanup at hazardous substance sites nationwide, with EPA assuming a supervisory role. When first implemented, CERCLA did not apply to federal facilities. Therefore, DOD established its own environmental program, the Installation Restoration Program. The Navy has been actively engaged in installation restoration since 1980 and has taken an aggressive approach to the problem of hazardous substance contamination resulting from past practices at its installations. Identification of waste areas has taken place at all U. S. Navy installations, including NAS Corpus Christi. Actions are either being taken or planned to respond to any potential contamination problem. The Navy is committed to compliance with both its legal and community obligations to protect public health and the environment.

In 1986, Congress amended CERCLA with the Superfund Amendments and Reauthorization Act (SARA). This act required Department of Defense and other federal facilities to meet CERCLA requirements for the first time. The Installation Restoration Program complies with these new requirements.

The IR process consists of these steps:

- **Preliminary Assessment/Site Inspection (PA/SI).** The goal of the PA/SI is to identify potential sites with hazardous waste contamination. The PA consists of a review of available historical information (also known as a records search) concerning installation activities and land use. The SI is an onsite visit consisting of limited sampling and analysis designed to verify the preliminary findings of the PA. Based on the PA/SI, the site receives a score using the Hazard Ranking System (HRS) established by the EPA as a means of assessing possible contamination. If the HRS is above 28.5, the site may be placed on the National Priorities List.

- **Remedial Investigation/Feasibility Study and Record of Decision (RI/FS).** The RI is a detailed study that includes, but is not limited to, soil and groundwater sampling to determine the nature and extent of contamination at a site. In addition, the RI includes a health assessment which estimates risks to human health and the environment as a result of the contamination. The FS identifies alternatives for remediation of a site, then recommends the most feasible alternative in a Record of Decision (ROD). The public will be given an opportunity to comment on the proposed plan before implementation of the third phase of the IR process.
- **Remedial Design and Remedial Action (RD/RA).** RD/RA can include one or more of several methods to remediate a site. The most feasible method is selected for each specific site.

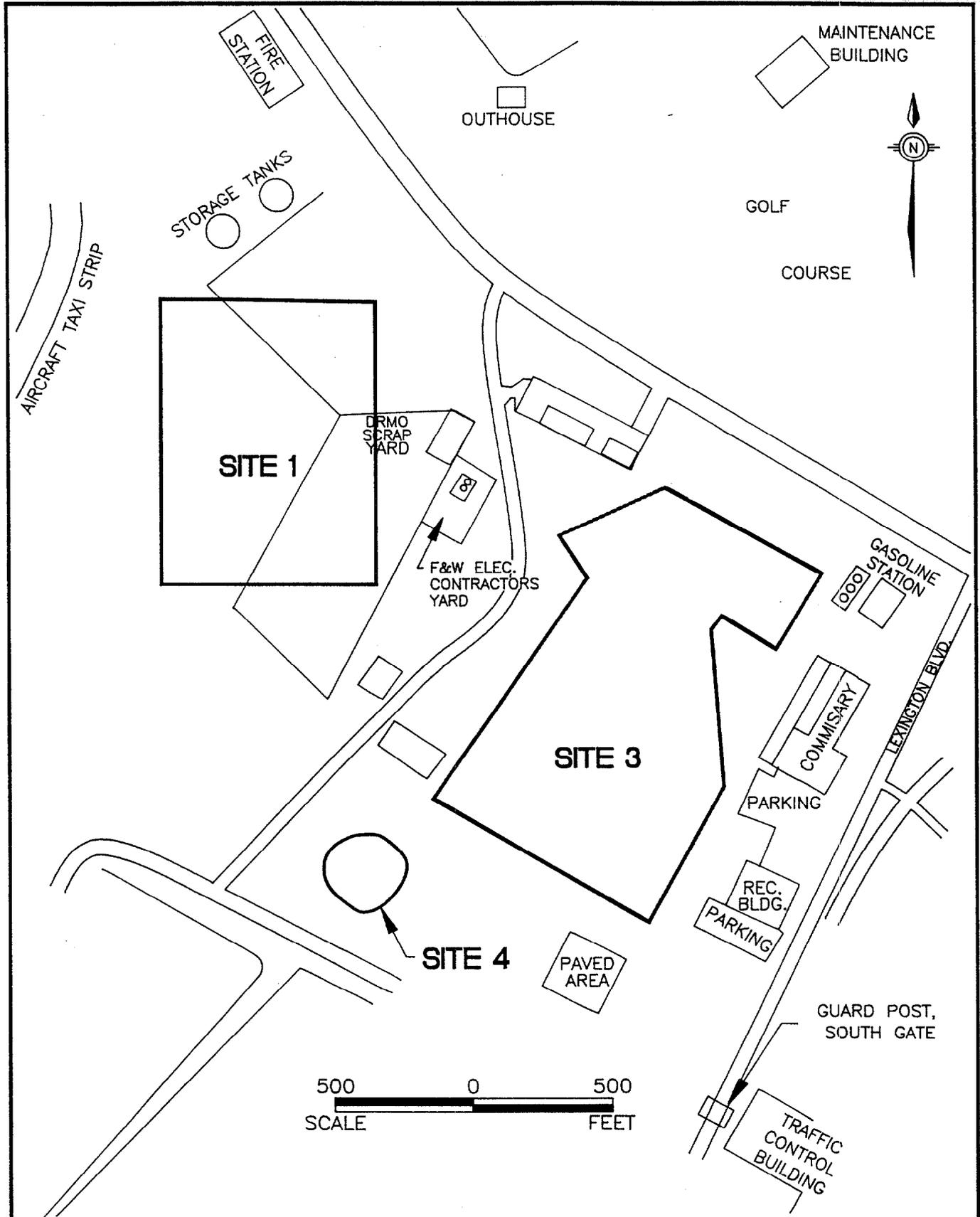
Appendix B contains more terms used in the process of hazardous waste remediation.

3.2 Site Descriptions

In February 1984, an Initial Assessment Study (IAS) of NAS Corpus Christi was published which described the investigation of 15 areas on NAS property. Based on the IAS and investigations that followed, three of the 15 sites have been recommended for further study. No further action is recommended at the remaining sites. Figure 3-1 is a map showing where the sites requiring further action are located on NAS Corpus Christi. This section includes general descriptions of each site. Specific information on investigations to be performed is contained in the work plans which are available for viewing in the information repository.

3.2.1 Site 1 — Defense Property Disposal Office (DPDO) Landfill

The DPDO landfill reportedly operated between 1949 and the early 1960s. Site 1 encompasses approximately 13 acres and is located 400 feet west-northwest of the CCAD landfill (Site 3). The site was used for liquid waste disposal of bulk chemicals generated by helicopter



COMMUNITY RELATIONS
 NAS CORPUS CHRISTI
 CORPUS CHRISTI, TEXAS

FIGURE 3-1
 SITE LOCATIONS
 SITES 1,3,4

DATE: 08/14/92

DWG NAME: 037CORP2

maintenance, which were poured directly into shallow pits at the landfill. These materials included organic solvents, sulfuric and hydrochloric acids, and paint thinners and removers. General solid/municipal waste generated by the CCAD and NAS Corpus Christi was also disposed of at this site.

3.2.2 Site 3 — CCAD Landfill

The CCAD landfill was used for the disposal of liquid wastes from approximately 1960 to 1972. Reports during the site investigation indicate that liquid wastes generated at CCAD were collected in holding tanks and allowed to drain into 50-foot diameter pits located in this area. The chemicals disposed of included organic solvents, hydrochloric acid, paint thinners, paint removers, and plating chemicals containing the heavy metals cadmium, chromium, copper, nickel and zinc. In addition to being a liquid waste disposal site, the area was also used as a solid waste landfill.

3.2.3 Site 4 — Aircraft Fire Training Area

The Aircraft Fire Training Area, in use since the 1960s, is located adjacent to the southern portion of the CCAD landfill (Site 3) and lies over a once active non-hazardous waste landfill. Training is conducted at the site for five to six months each year. According to NAS Corpus Christi records, the training activities utilize approximately 3,000 gallons of waste fuel per month. The fuel is discharged to a clay-lined bermed area and ignited to allow practice in extinguishing the blaze. The clay liner and berms were added to the area in 1973. Prior to that time, fuel was discharged directly on the ground.

4.0 COMMUNITY PROFILE

4.1 Geography and Economy

Corpus Christi is a port of entry on Corpus Christi Bay near the mouth of the Nueces River in southern Texas. The seat of Nueces County, Corpus Christi proper has a population of 257,453 with 349,894 in the two-county metropolitan area which includes San Patricio County. Corpus Christi covers 392 square miles including 276 square miles of inland water.

The Corpus Christi economy has traditionally been based on manufacturing. The city's chief manufactured products, in order of value, are chemicals, petroleum and coal products and processed foods. The region's manufacturing capabilities are enhanced by improved port facilities in the Corpus Christi Bay. The port was dredged to a uniform depth of 45 feet in 1989, enabling larger ships to dock. The military also plays a large role in the Corpus Christi economy. NAS Corpus Christi is home to the region's largest single employer, the Corpus Christi Army Depot.

Tourism is another major industry in the Corpus Christi area. Cultural attractions include the Texas State Aquarium, the Art Museum of South Texas, the Corpus Christi Museum, and the Museum of Oriental Cultures. The city's mild climate and well-developed beaches, including Padre Island National Seashore, are major draws for tourism. A strong campaign for more tourism dollars was evident in 1992 when Corpus Christi was selected as the home port for the decommissioned aircraft carrier, the USS Lexington.

4.2 Community Involvement History

A news release was issued September 17, 1992, informing the community of environmental activities at NAS Corpus Christi and announcing that community interviews would begin the following week.

A Technical Review Committee (TRC) has been established to review and comment on proposed Navy actions related to the Installation Restoration Program. The committee is made up of members from NAS Corpus Christi, the Texas Water Commission, the City of Corpus Christi and the surrounding community. A complete list of TRC members is included in Appendix A.

4.3 Community Concerns

Community interviews were conducted September 21 through 23, 1992, to determine community concerns and information needs regarding environmental studies at NAS Corpus Christi. During the survey process, which was conducted with residents and officials of the Corpus Christi

Community IRP Concerns	
•	Waste disposal
•	Water quality
•	Old dumping sites

area, appropriate individuals were identified for interviews and visited by the survey team. Random participants were also selected from a cross-section of the community. Questions used during the interviews and a detailed summary of responses are included in Appendix C. Twenty-six people participated in the interviews.

Most interviewees attributed environmental problems to other industries which populate the Gulf Coast. Most of the people surveyed expressed no concern about environmental activities at the base. The Navy is generally perceived as conducting environmentally safe operations. Based on interviews and civic group involvement in organized activities, sensitivity to other environmental concerns outside the base is high. Dominant issues in the community include taxes, tourism and the economy.

5.0 COMMUNITY RELATIONS OBJECTIVES

The objectives of this community relations program are described below. Activities designed to achieve each objective follow the descriptions of the program goals. These communication activities will address the differences between past and current waste handling practices and fully explain the purpose and goals of the IRP. The CRP will take into account the needs of the community and will provide information to keep the community up-to-date on the progress of the environmental programs at NAS Corpus Christi.

5.1 Objective 1: Citizen Involvement

This CRP will give citizens the opportunity to comment throughout the IRP. Citizens are encouraged to participate in the process to help determine how local concerns may impact long-term decisions.

Methods of Accomplishment

- Develop two-way communication between the community and decision makers through methods such as the Technical Review Committee.
- Provide opportunities for formal and informal comments on documents and plans. Hold meetings with individual citizens and area clubs and groups when needed or requested. Include the name and telephone number of the program contact person in all correspondence concerning the project.
- Hold public meeting(s) to discuss the results of studies and remedial alternatives.
- Provide information through updates to the CRP, periodic fact sheets and releases to the local media.
- Provide information, including studies and reports, in an Information Repository for public access and use.

5.2 Objective 2: Two-Way Communication

Local residents and workers, as well as federal, state and local officials will be informed in a timely manner of all project milestones. These project milestones include: major findings, recommendations, the status of the project, remedial activities being conducted at NAS Corpus Christi and possible additional actions under consideration, as well as the reasons for these actions.

Methods of Accomplishment

- Periodically produce fact sheets which will discuss IRP activities and technical information in non-technical language.
- Send fact sheets to all persons on the mailing list and to those who request them, and/or those identified as being an interested or affected party.
- Send fact sheets and news releases to local newspapers, radio and television stations for wide distribution of information. The weekly base newspaper will also provide updates.
- Provide speakers to present programs about NAS Corpus Christi IRP issues upon request.
- Maintain and use a mailing list of local, state and federal officials, and other interested and affected individuals and groups. Additional names may be added to the list upon request.
- Announce public meetings through advertisements in one or more of the following: a daily newspaper, media releases, fact sheets and flyers. Print a public notice at least two weeks before the meeting.

5.3 Objective 3: Conflict Resolution

The third objective is to focus and resolve conflicts which may arise.

Methods of Accomplishment

- Identify conflict and develop a forum for resolution, if doing so appears to serve a useful purpose for both the Navy and the community.
- Provide experts to address questions about remedial actions and alternatives.

6.0 COMMUNITY RELATIONS ACTIVITIES AND SCHEDULE

All communications activities are designed to provide the public with current information and the opportunity for input during each phase of the environmental program. Community relations activities and their relationship to technical milestones are described below.

Pre-Remedial Investigation/Feasibility Study

- Create and update an information repository as necessary. Publicize the availability and location of the information repository.
- Publicize the name, address and telephone number of the primary contact person who will respond to all inquiries about the IRP.
- Develop a mailing list of concerned citizens, local elected officials, appropriate agencies and the local media for distribution of IRP materials.
- Distribute to everyone on the mailing list a fact sheet that introduces and explains the IRP. Write articles for publication in the base newspaper.
- Distribute news releases to local news media about the IRP, the CRP and the availability of the information repository.
- Maintain contact with local officials and community leaders to provide information about the IRP and to monitor community concerns.
- Hold informal community meetings to discuss IRP studies, analyses, results and plans for IRP activities. Presentations and speakers can be arranged for interested and affected groups upon request and subject to scheduling availability. Interested parties should call the NAS Corpus Christi Public Affairs Office.

During Remedial Investigation

- Update the information repository as necessary. Publicize the availability and location of the information repository.
- Publicize the name, address and telephone number of the primary contact person who will respond to all inquiries about the IRP.

- Develop a mailing list of concerned citizens, local residents, elected officials, appropriate agencies, and the local media for distribution of IRP materials.
- If appropriate, distribute fact sheets to everyone on the mailing list, updating the community on RI findings.
- Distribute news releases to local news media about the IRP, the CRP and the availability of the information repository.
- Maintain contact with local officials and community leaders to provide information about the IRP and to monitor community concerns.
- Hold informal community meetings to discuss studies, analyses, results and plans for IRP activities. Presentations and speakers can be arranged for interested and affected groups upon request and subject to scheduling availability. Interested parties should call the NAS Public Affairs Office.

Upon Completion of Remedial Investigation:

- Update and publicize information repository.
- Continue to publicize the contact person's name, address, and phone number.
- Update the mailing list.
- Distribute fact sheets to everyone on the mailing list and/or write articles for publication in the base newspaper to explain RI findings and discuss plans for the next phase of the project. Update orientation packages and/or Naval housing materials.
- Inform community leaders of the completion and results of the RI.
- Update, and continue to provide whenever possible, presentations for informal community groups to include results of studies.

During Feasibility Study

- Distribute fact sheets to everyone on the mailing list and/or write articles for publication to report on the status of the FS.

- Update the mailing list.
- Continue to respond to requests for speaking engagements.

Upon Completion of FS:

- Update and publicize information repository.
- Publicize IRP point of contact.
- Update the mailing list.
- Prepare fact sheet and/or articles for Navy publications and local news media announcing the completion of the FS, explaining the criteria used for evaluating alternatives and reporting the recommendation.

Proposed Plan Activities

- Prepare news release for the media and a public notice for placement in a local newspaper to announce the availability of the proposed plan in the information repository for review and comment. Send comments to the primary contact person.
- Prepare news release for the media and public notice for placement in a local newspaper to announce a public meeting and the start of a 45-day public comment period.
- Hold a public meeting to discuss the FS report, outline the proposed plan and explain public comment period.
- Place a transcript of the proposed plan public meeting in the information repository.
- Write summary of significant comments, criticisms and new relevant information submitted during the public comment period and a response to each issue. This responsiveness summary shall be made available with the Record of Decision.
- Hold informal community meetings as warranted by the level of public interest.
- Maintain contact with local officials and community leaders.
- If necessary, prepare a fact sheet on public comments received on the proposed plan.

Record of Decision Activities:

- Publish public notice when the ROD is signed and place a copy of the signed ROD in the information repository.

During Remedial Design:

- Update information repository, as necessary.
- Review and, if necessary, revise the CRP to reflect any changes in public concern over governmental actions.
- Update local officials and community leaders on plans for remedial action.
- Prepare news releases/fact sheets and publish articles on the remedial design once it is proposed and approved.
- Hold informal community meetings, if necessary, to discuss proposed and/or final remedial design.

During Remedial Action:

- Continue to publicize environmental contact person and information repository.
- Update the mailing list, as necessary.
- Continue to update the community by sending fact sheets to everyone on the mailing list, preparing news releases for the media and publishing articles in the base newspaper.
- Continue to update local officials and community leaders, as necessary.
- Review and, if necessary, revise the CRP to reflect any changes in public concern.

Upon Completion of Remedial Action:

- Update information repository, as necessary.
- Update local officials and community leaders, as necessary.
- Publicize completion of RA through a news release to local media, and/or a fact sheet to the entire mailing list.
- Hold informal community meetings, if necessary, to discuss the completion of RA.

Interim Remedial Measure/Removal Action Activities:

- Continue to publicize environmental point of contact.
- Update the information repository, as necessary.
- Write responses to significant comments.

When following general distribution procedures, fact sheets will be sent to all addresses on the mailing list. News releases are intended only for the media and will be sent to news organizations on the mailing list. Any information released to the media in news release format will also be released as a fact sheet and distributed to all others on the mailing list.

7.0 CONCLUSION

The steps outlined in the CRP are designed to achieve effective communication and a timely exchange of information with the public. The NAS Corpus Christi Public Affairs Office will monitor community responses to IRP activities in order to update this document.

APPENDIX A

MAILING LIST

COMMUNITY MAILING LIST

- PART A U.S. CONGRESSIONAL DELEGATION
- PART B STATE AND LOCAL GOVERNMENT
- PART C LOCAL MEDIA
- PART D TECHNICAL REVIEW COMMITTEE
- PART E PRIVATE CITIZENS
- PART F LOCAL CIVIC GROUPS

PART A

U.S. CONGRESSIONAL DELEGATION

Senate

The Honorable Bob Kueger
703 Hart Building
Washington, D.C. 20510

The Honorable Phil Graham
370 Russell Building
Washington, D.C. 20510

House of Representatives

The Honorable V. De La Garza
1401 Longworth Building
Washington, D.C. 20515

The Honorable Solomon Ortez
2445 Rayburn Building
Washington, D.C. 20515

PART B

STATE AND LOCAL GOVERNMENT

Governor

The Honorable Ann W. Richards
State Capitol
Austin, TX 78711

State Senate

Senator Carlos Truan
P.O. Box 12068
Austin, TX 78711

State Representatives

Rep. Hugo Berlanga
Capitol Building Office #147
P.O. Box 2910
Austin, TX 78768

Rep. Vilma Luna
Capitol Building Office #400-A
P.O. Box 2910
Austin, TX 78768

Rep. Todd Hunter
Capitol Building Office # 417-C
P.O. Box 2910
Austin, TX 78768

Corpus Christi City Hall
1201 Leopard
P.O. Box 9277
Corpus Christi, TX 78469-9277

Use the above address for the following:

Mayor

Mayor Mary Rhodes

City Council Members

Cliff Moss
Mary Pat Slavik
Edward Martin
Betty Jean Longoria
Cezar Galindo
Leo Guerreo
Dr. David McNichols
Joe McComb

PART C

LOCAL MEDIA

Print Media

Beeville Picayne
Box 10
Beeville, TX 78104-0010

Flour Bluff Sun
1935 Flour Bluff Drive
Corpus Christi, TX 78418

Kingville Record
Box 951
Kingsville, TX 78363

Broadcast Media

KCCT Radio
P.O. Box 5278
Corpus Christi, TX 78465

KEDT Radio
4455 South Padre Island Dr.
Corpus Christi, TX 78415

KIKN Radio
P.O. Box 898
Corpus Christi, TX 78404

KMXR Radio
#1 Gaslight Square
Corpus Christi, TX 78401

KORO TV Channel 28
102 Mesquite Street
Corpus Christi, TX 78401

KRIS TV Channel 6
P.O. Box 840
Corpus Christi, TX 78403

The Corpus Christi Caller-Times
P.O. Box 9136
Corpus Christi, TX 78408

Kingville Publishing Company
115 South Fifth Street
Kingville, TX 78363

San Patricio County News
P.O. Drawer B
Sinton, Texas 78387-0167

Keys Radio
P.O. Box 9917
Corpus Christi, TX 78469

KIII TV Channel 3
4750 South Padre Island
Corpus Christi, TX 78411

KIOU/KDAE Radio
P.O. Box 31274
Corpus Christi, TX 78404

KNCN Radio
P.O. Box 9781
Corpus Christi, TX 78469

KOUL Radio
P.O. Box 898
Corpus Christi, TX 78403

KRYS Radio
702 McBride Lane
Corpus Christi, TX 78408

Broadcast Media Continued...

KZTV TV Channel 10
301 Artesian Street
Corpus Christi, TX 78421

KSIX Radio
301 Artesian Street
Corpus Christi, TX 78421

KZFM Radio
P.O. Box 9917
Corpus Christi, TX 78469

PART D

TECHNICAL REVIEW COMMITTEE

Unspecified Representatives

Public Affairs Office
Naval Air Station
Corpus Christi, TX 78419-5000

CNATRA
Building 1
Naval Air Station
Corpus Christi, TX 78419-5000

Public Works Representatives

CDR J.E. Bittle
Irene Blackledge
Dilip Shaw
Building 19
Naval Air Station
Corpus Christi, TX 78419-5000

Other Representatives

Bill Hennings
Group Manager
Public Works and Utilities
P. O. Box 9277
Corpus Christi, TX 78469

Dr. Steven Barnes
Director, National Spill Control School
Corpus Christi State University
6300 Ocean Drive
Corpus Christi, TX 78412

Mr. Russell Lewis
Texas Water Commission
District 12 Field Office
4410 Dillon Lane, Suite 47
Corpus Christi, TX 78415

Commanding Officer
Southern Division
Naval Facilities Engineering Command
ATTN: Mr. Ed Lohr
P. O. Box 190010
Charleston, S.C. 29419

PART E

PRIVATE CITIZENS

John Evins
Estella Garcia
Robert Bruner
Janet Oprisko
Doris Graber
Dr. Davis McNichols
Keith Tourney
Quenton Dokken, PHD.
Ed White
Nina Sisley
Lucy Heide
Mr. and Mrs. L.E. Snyder

Leon Decker
Mr. and Mrs. Bill Resue
Mrs. A. Graham Scott
Patricia Purdes
Nicole Reynolds
Joseph Shields
Julie Browning
Joyce Ray
Cheryl Burgoon
Lucy Morales
Virginia Greer

PART F

LOCAL CIVIC GROUPS

Corpus Christi Civitan Club
Judge James Klager, President
901 Leopard
Corpus Christ, TX 78401

Five Points Civitan Club
David E. Fast, President
12950 Leopard
Corpus Christi, TX 78410

Kiawanis clubs
Kiwanis Club of Corpus Christi
Dr. Charles Mattis, President
6349 Kristin
Corpus Christi, TX 78414

Del Mar Kiwanis Club
Felon Wiley, President
413 Clark Dr. West
Corpus Christi, TX 78415

Southside Kiwanis Club
Lucy Heide, President
534 Vaga
Corpus Christi, TX 78418

Lions clubs
Cal Anna Lions Club
Mike Lowke, President
4250 Five Points Rd. #12
Corpus Christi, TX 78410

Corpus Christi Evening Lions Club
Gary Garrett, President
6901 Meadowbreeze Parkway
Corpus Christi, TX

Corpus Christi Evening Civitan Club
Mrs. Willie Cattana, President
502 Catalina
Corpus Christi, TX 78411

Corpus Christi Jaycees
Danny Mora
P. O. Box 2710-26
Corpus Christi, TX 78427

Kiwanis Club of Corpus Christi Bay
Al Hernandez, President
#70 Parkdale Plaza
Corpus Christi, TX 78411

Kiwanis Club of Six Points
F. A. Thompson, President
6168 S. Staples
Corpus Christi, Texas 78404

Corpus Christi Downtown Lions Club
Andy Crocker, President
817 Brewster
Corpus Christi, TX 78401

Corpus Christi Industrial Lions Club
George Lund, President
P. O. Box 9493
Corpus Christi, TX 78469

Corpus Christi Northside Lions Club
Lawrence Terrell, President
P O Box 4673
Corpus Christi, TX 78469

Corpus Christi Seaside Lions Club
Cindy Wynd, President
5809 Glenn Arbor
Corpus Christi, TX 78412

Corpus Christi Six Points Lions Club
Peter E. Kraght, President
4052 O'Grady
Corpus Christi, TX 78413

Corpus Christi Waves Lions Club
Barbara Ann Milfeld, President
3314 Audn
Corpus Christi, TX 78414

Portland Lions Club
Richard W. Fiedler, President
205 Barracuda
Portland, TX

Rotary clubs

Corpus Christi Rotary Club
Charles Benson, President
418 Peoples, Suite 300
Corpus Christi, TX 78401

Corpus Christi Sunrise Rotary Club
Bob Wolter, President
1100 1st City Texas Tower
Corpus Christi, TX 78477

Robstown Five Points Rotary Club
Ted Thompson, President
11223 Up River Rd.
Corpus Christi, TX

Flour Bluff/Padre Island Rotary Club
Chuck Croisant, President
14310 Caribe
Corpus Christi, TX 78418

Corpus Christi Padre Island Lions Club
Hugh F. King, President
13810 Topsoil
Corpus Christi, TX 78418

Corpus Christi Shoreline Lions Club
James E. Davis, President
633 Aristocrat
Corpus Christi, TX 78418

Corpus Christi Southside Lions Club
Larry Roberts, President
2002 Tara
Corpus Christi, TX 78412

Corpus Christi Westside Lions Club
James Carrell, President
4626 Wooldridge
Corpus Christi, TX 78413

Flour Bluff Lions Club
Harold B. Koclanes, President
410 Mediterranean
Corpus Christi, TX 78418

Southside Rotary Club
Jennifer Prouty, President
9350 S. Padre Island
Corpus Christi TX 78418

West Corpus Christi Rotary Club
David Ebert, President
11630 Hondo Creek Dr.
Corpus Christi, TX 78410

Portland Rotary Club
Bobby Felton, President
P. O. Box 249
Portland, TX 78374

Other Organizations

Optimist Club of Downtown Corpus Christi
Bart Shirley, President
6433 S. Staples
Corpus Christi, TX 78413

Six Points Optimist Club
Andy Cardenas, President
4506 Canyon Lake Circle
Corpus Christi, TX 78413

Coastal Bend Council of Government
P. O. Box 9909
Corpus Christi, TX 78469-9909

Corpus Christi Chamber of Commerce
1201 N Shoreline
Corpus Christi, TX 78401

The Eagles Lodge
2429 Johanna
Corpus Christi, TX 78415

Fleet Reserve Association
437 Valerie
Corpus Christi, TX 78418

Audobon Society Coastal Bend
3525 Bluebonnet
Corpus Christi, TX 78412

Moose Lodge #734
8001 S. Padre Island Drive
Corpus Christi, TX 78412

EarthSave
337 Whitehall
Corpus Christi, TX 78412

Sierra Club
Pat Suter
P. O. Box 3512
Corpus Christi, TX 78404

Laguna Optimist Club
Kenneth Rickard, President
3333 Otranto Drive
Corpus Christi, TX 78418

Buccaneer Commission, Inc.
P. O. Box 30404
Corpus Christi, TX 78463-0404

Padre Island Business Association
P. O. Box 181056
Corpus Christi, TX 78480-1056

St. Patrick Church
3350 S. Alameda
Corpus Christi, TX 78411

VFW #3837
10136 Leopard
Corpus Christi, TX 78410

VFW #2397
4441 Ayers
Corpus Christi, TX 78415

American Legion Post #364
5323 Kostoryz
Corpus Christi, TX 78415

Gulf Coast Conservation Association
206 American Bank Plaza
Corpus Christi, TX 78401

Civic League
Marie Speare
P. O. Box 18268
Corpus Christi, TX 7848-8268

Tropical Isles Association
Oscar Fogle
3401 Bali Drive
Corpus Christi, TX 78418

Navy League
Robert C. Turner, President
354 Claremore
Corpus Christi, TX 78412

Coastal Bend Bay Foundation
Ray Allen, Chairman
P. O. Box 23025
Corpus Christi, TX 78403-3025

Flour Bluff Business Association
Bob Graves, President
P. O. Box 18008
Corpus Christi, TX 78480-8008

Corpus Christi Bay Area Economic
Development Corporation
201 North Shoreline, Box 640
Corpus Christi, TX 78403

Gulf of Mexico Foundation
Dr. Quenton Dokken
5403 Everhardt #51
Corpus Christi, TX 78411

APPENDIX B

GLOSSARY

HAZARDOUS WASTE REMEDIATION GLOSSARY

AA Assistant Administrator, USEPA

[The AA reports directly to the Administrator of the EPA]

ACL Alternate Concentration Limit; see MCL

AM Action Memorandum

[A memorandum that initially proposes and supports the decision to initiate activities at a site.]

ANPRM Advanced Notice of Proposed Rulemaking

[Request for public input prior to a proposed rulemaking. For example, the notice will highlight regulations to revise the current hazard ranking system (HRS).]

AO Office of the Administrator, EPA

AOC Administrative Order on Consent

[An administrative order to begin response activities that have been agreed upon by the responsible parties and the EPA.]

ARAR Applicable or Relevant and Appropriate Requirement (ARARs)

[Other regulations that can be applied to the cleanup standards]

ATSDR Agency for Toxic Substances and Disease Registry

CA Cooperative Agreement

[An agreement between the EPA and a federal agency or a State or Territory that describes activities to be performed by both parties that details the funding details to support those activities. Generally, these are developed on a site-specific basis.]

CAA Clean Air Act

CEPP Chemical Emergency Preparedness Program

[A program outlined to increase community awareness and to stimulate the development of emergency plans for dealing with chemical accidents.]

- CD Consent Decree
- [A document, filed with the court, that describes the activities agreed to by the responsible party to investigate and/or remedy the site.]
- CERCLA SUPERFUND: Comprehensive Environmental Response, Compensation and Liability Act (of 1980), as amended; 42 U.S.C. SS9601 et seq. (see also SARA).
- [Establishes the Superfund program and Trust Fund.]
- CERCLIS Comprehensive Environmental Response, Cleanup & Liability Information Service
- [A complete record of all site discoveries, preliminary assessments, site investigations and hazard rankings. This list shows site names, locations, activity and completion data (year preceding month); lead agency if different from PA appears in parenthesis.]
- CFR Code of Federal Regulations
- CLP Contract Laboratory Program
- CMA Chemical Manufacturers Association
- CMI Corrective Measures Implementation
- [Corrective Measures Implementation designs, constructs, and operates maintenance and monitoring of the performance of the corrective measure or measures selected.]
- CMS Corrective Measures Study
- [Corrective Measures Study develops and evaluates corrective measures alternatives. This study recommends the most appropriate corrective measure.]
- COE U. S. Army Corps of Engineers (part of DOD)
- [Provides Superfund technical assistance including design and construction activities.]
- CWA Clean Water Act
- DERP Defense Environmental Restoration Program
- [The DOD SUPERFUND program]

- EA** **Endangerment Assessment**
- [A study of the threat or potential threat to public health and the environment posed by a hazardous waste site. The EA is generally used to initiate and/or support enforcement actions.]
- EPA** **Environmental Protection Agency**
- [Given the lead responsibility for implementation and oversight of programs under CERCLA by Executive Order.]
- ERCS** **Emergency Response Contractor Services**
- [Contractor support to EPA for actual engineering work at emergency (removal) actions.]
- ERNS** **Emergency Response Notification System**
- EROD** **Enforcement Record of Decision**
- [A ROD prepared by OWPE.]
- ERRIS** **Emergency and Remedial Response Information System**
- [An automated information system that summarizes basic descriptions of all sites identified as being potentially hazardous. The NPL is a subset of this system.]
- ERT** **Environmental Response Team**
- [A branch of the Hazardous Response Support Division of OERR located in Edison, NJ]
- FIT** **Field Investigation Team**
- [Contractor support to EPA that performs preliminary assessment, site inspection and hazard ranking activities.]
- FS** **Feasibility Study**
- [The study that evaluates cleanup options based on the data obtained in the site study phase in order to determine the cost-effective, option for cleaning up the hazardous waste site.]
- FWPCA** **Federal Water Pollution Control Act
(SWDA/RCRA)**

- HHS** Department of Health and Human Services
- [Responsible for providing public health assistance to Superfund sites and at other releases of hazardous materials. Section 104(i) of CERCLA establishes the Agency for Toxic Substances and Disease Registry under HHS to effectuate and implement the health related authorities of CERCLA.]
- HMTA** Hazardous Materials Transportation Act, 49 U.S.C. SS1801 et seq.
- HRS** Hazard Ranking System
- [A method of quantitatively evaluating the relative threat or potential threat posed by hazardous waste sites. A description is given as an appendix to the NCP.]
- HSWA** Hazardous and Solid Waste Amendments of RCRA
- [That portion of RCRA which contains the corrective actions requirements]
- IM** Interim Measures
- [Corrective actions to stabilize, control, or limit further releases. Interim measures can be imposed at any point in the process.]
- IRM** Initial Remedial Measures
- [Remedial measures that are straightforward, relatively simple and require little or no engineering design, and are needed as a component of all considered remedial actions. These measures are generally used to stabilize the site or to remove immediate hazards.]
- LUST** Leaking Underground Storage Tanks
- "LUST program"; Part of RCRA, and regulates underground storage tanks.]
- MCL** Maximum Contaminant Levels
- [A criterion — as a groundwater cleanup standard at Superfund Sites.]
- MCLG** Maximum Contaminant Level Goal
- NCP** National Contingency Plan (National Oil and Hazardous Substances Pollution Contingency Plan)

[40 CFR 300, the comprehensive regulations and guidelines for cleaning up hazardous waste sites and spills of hazardous and toxic materials. This document defines the authorities of agencies and their representatives.]

NPL National Priorities List, Superfund

[A national list of the most dangerous hazardous waste sites that have undergone Preliminary Assessment and Site Inspection activities and which are assigned a Hazard Ranking score of greater than 28.5. These sites are eligible for use of the Superfund "FUND" monies for cleanup.]

NPDES National Pollutant Discharge Elimination System

NRC National Response Center

[24 hour telephone service: (800)-424-8802 and (202)-426-2675]

NRDC National Resources Defense Council

NRT National Response Team

[Comprises representatives from EPA (chairperson), DOT (USCG provides Vice Chairperson), DOC, DOD, DOE, OOI, DOJ, DOL, DOS, FEMA, HHS, and USDA.]

OERR The SUPERFUND OFFICE AT EPA: Office of Emergency and Remedial Response (part of EPA)

[The Office under OSWER with responsibilities for implementing remedial and removal activities under CERCLA (Superfund).]

OSC On-Scene Coordinator

[The person in charge of site-specific emergency (removal) response activities. These people are generally Regional EPA or Coast Guard personnel.]

OSW Office of Solid Waste

[The office in EPA which manages the RCRA program.]

OSWER Office of Solid Waste and Emergency Response (part of EPA)

[The office of the Asst. Administrator within EPA that manages both Superfund and RCRA.]

SWMU **Solid Waste Management Unit**

[A Solid Waste Management Unit is defined as "any discernable waste management unit from which hazardous constituents may migrate, regardless of whether the unit was intended for the management of solid or hazardous wastes."]

TAT **Technical Assistance Team**

[Contractor support team for assistance and oversight during emergency response activities.]

TSDF **Treatment, Storage, and Disposal Facilities**

[A definition under RCRA for facilities used to store, treat, or dispose of hazardous waste.]

Glossary excerpted from ODASD(E) of 1 March 1988

APPENDIX C
INTERVIEW QUESTIONNAIRE
AND SUMMARY OF RESPONSES

Interview Questionnaire and Summary of Responses

Question:

What do you know about NAS Corpus Christi?

- *History*
- *Number of employees*
- *Mission*
- *Size (area it covers)*

Summary of Responses

History: Sixteen of the interviewees demonstrated a knowledge of basic NAS Corpus Christi historical facts. These responses included references to the mission of the base during World War II.

Mission: All 26 of the participants cited pilot training as the primary mission of NAS Corpus Christi. References to helicopter maintenance or the Corpus Christi Army Depot were included in 11 responses.

Number of employees: Twelve participants guessed at the number of employees at NAS Corpus Christi with most estimates around 4,000.

Size: Most participants had no concept of the installation's size. The three answers received were: 600 acres, 10 square miles and six square miles.

Question:

What/who is your source for information about NAS Corpus Christi?

Summary of Responses (More than one response given by some interviewees)

Personal Contacts	16	Flightline	2
Newspaper	13	Chamber of Commerce . . .	2
TV	7	Other	2

Question:

What do you know about base environmental programs?

- *The Installation Restoration Program*
- *The National Priorities List*
- *Superfund*

Summary of Responses

Twenty-one interviewees indicated that they had no knowledge of base environmental programs. Three mentioned the highly publicized planned explosion of chemicals that occurred at NAS Corpus Christi on September, 1992. The perception is that this event was well-handled. One response referred to asbestos removal at the Naval Hospital. Recycling was also mentioned by one interviewee. As for specific national environmental programs and laws, the number of interviewees who indicated at least name recognition follows:

Superfund	11
The National Priorities List	7
The Installation Restoration Program	0

Question:

What/who is your source for this kind of information about NAS Corpus Christi?

Summary of Responses (More than one response given by some interviewees)

No source	10
Media	7
Base Officials	5
State/local agencies	3
Personal Contacts	2

Question:

What issues/concerns/activities related to environmental work at NAS Corpus Christi interest you most?

Summary of Responses (More than one response given by some interviewees)

None	11
Waste Disposal	6
Water quality	3
Old dumping sites	3
Oil spills	2
Aircraft fly-by	2
Wetland protection	1
Hazardous material handling	1
Asbestos	1
Recycling	1
Transformer leakage protection	1
Wastewater treatment	1

Question:

How sensitive do you feel the public is to environmental issues?

Summary of Responses

Fairly sensitive	10
Very sensitive	9
Little sensitivity	5
Not sensitive	2

Question:

What types of issues generally attract the most attention in the community?

Summary of Responses (More than one response given by some interviewees)

Economy/jobs	14	Base closure	2
Taxes	7	Run-off channels	1
Schools	4	Fishing	1
Elections/government . .	4	Waste Disposal	1
Water quality	4	School prayer	1
Tourism	3	Education	1
Crime/Gangs	3	Noise pollution	1
Clean beaches	2	Air pollution	1
Accidents	2	Entertainment	1

Question:

A) Have you had any contact with NAS Corpus Christi officials or personnel about any concerns?

B) If so, who were they, what was the response provided to you and were you satisfied with the response?

C) Do you need additional information? How would you like to receive it?

Summary of Responses

QUESTION A		QUESTION B				QUESTION C	
Concerns		Contacts		Responsive		Information needed	
Yes	11	Hospital	3	Very	10	Yes	0
No	15	PAO	2	Fair	1	No	26
		Commander	2	Little	0		
		CID	1	No	0		

Question:

- A) Do you have any suggestions or ideas about ways in which we can keep the community informed about the IRP and other environmental activities?
B) How do you think the community generally gets its information?*

Summary of Responses

Question A:

Media	14
Speakers	3
Direct mail	1
Displays	1
Government committees	2
No suggestions	5

Question B:

Media	25
Civic groups	1
Flightline	3

Question:

- A) What are the primary community groups or organizations in the area? Do you belong to any of these groups?
B) Do these groups or organizations have regular meetings, newsletters or special events? Are speakers/written articles needed?*

Summary of Responses

Question A:

Fifteen interviewees were members of one or more of the following:

- | | |
|----------------------------------|--------------------------------|
| Emergency Planning Committee | Civic League* |
| Lions Club* | Kiwanis* |
| Flour Bluff Business Association | Corpus Christi City Government |
| Rotary Club* | Chamber of Commerce |
| Optimist Club* | Sierra Club* |
| VFW | Eagles* |