



# **EPA STORET**

Version 1.2

## **Step-By-Step Installation Procedure**

STORET Technical Support  
1-800-424-9067  
September 15, 2001

## CONTENTS

<b>1.0</b>	<b>Introduction</b>	<b>1</b>
<b>2.0</b>	<b>Hardware and Software Requirements</b>	<b>1</b>
<b>3.0</b>	<b>Cautions</b>	<b>3</b>
<b>4.0</b>	<b>Installation of Basic STORET Software</b>	<b>3</b>
<b>5.0</b>	<b>Installation of STORET Reports Module v1.2</b>	<b>6</b>
<b>6.0</b>	<b>Your First STORET Session</b>	<b>11</b>
	<b>Changing Your Password</b>	<b>12</b>
<b>7.0</b>	<b>Running Reports</b>	<b>12</b>
<b>8.0</b>	<b>The CD Also Contains</b>	<b>14</b>
<b>9.0</b>	<b>Uninstall</b>	<b>14</b>
	<b>Uninstall STORET v1.2 Reports</b>	<b>15</b>
	<b>Uninstall STORET Application and Database Definition</b>	<b>15</b>
	<b>Uninstall STORET Data Files Manually</b>	<b>16</b>
	<b>Uninstall Oracle™ Products</b>	<b>16</b>

## 1.0 Introduction

Congratulations !

You are about to install STORET, the best information management system for water monitoring data in the world. You should have no problems if you follow these simple instructions. Have fun.

This package should contain the following items:

- ! STORET Version 1.2 Installation CD
- ! STORET Installation Procedures Document

Your package is ready to use as installed, but is not officially activated. It contains some example data under a fictitious Organization named "DEMOTEST", to help you familiarize yourself with the system. Until your copy of STORET is activated, you are not officially registered to place data in the national STORET Warehouse. To obtain your activation diskette, and to register your Organization ID in the national STORET Database, contact STORET Technical Support.

The single CD-ROM distributed as STORET version 1.2 will permit you to install this current version either under Microsoft Windows 95/98/ME or Windows NT/2000, and will perform a full install if your PC has no prior copy of STORET, or an "upgrade" install if STORET v1.0 has previously been installed. Please note that it may be desirable to remove your old STORET version 1.0 before this upgrade if you have never activated it.

If you need help during this install, you may call STORET Technical Support. Our number is **1-800-424-9067**. Our business hours are 7:30 - 4:00 Eastern time.

## 2.0 Hardware and Software Requirements

- ! Pentium processor, 75 MHZ minimum, 166 MHZ or higher recommended.
- ! 32 meg RAM minimum.
- ! Microsoft Windows 95/98/ME™ Operating System software  
or  
Microsoft Windows 2000/NT™ (v4.0) Operating System software.
- ! CD-ROM drive (for installation and access to documentation).

- ! VGA compatible monitor (640x480 minimum, 600x800 or 1024x768 supported). 256 color palette recommended, 600x800 or greater recommended.
  - ! Microsoft™ Mouse (or compatible pointing device).
  - ! Hard disk with sufficient space for options chosen. Full stand-alone install (Personal Oracle, STORET data base, STORET Application 1.2, and STORET Reports Module 1.2) requires 640 MB of hard disk space. Personal Oracle = 80 MB, STORET data base = 450 MB, STORET Application 1.2 = 30 MB, and Reports Module = 80 MB.
- NOTE:** The STORET Reports Module comes on a separate CD and is not included on the STORET v1.2 Installation CD. Please contact STORET Support to request the Reports Module CD.
- ! **Optional.** Personal Oracle for Windows 95™ and Windows NT™, version 7.3.3 or 7.3.4. Required for the stand-alone installation only.
  - ! **Optional.** Oracle SQL\*Net™ Version 2.3.3 or 2.3.4 and ODBC Driver for Oracle 7.3.3 or 7.3.4. Required for the Client/Server installation.

Before you can install STORET, you must make provisions for access to an Oracle™ database management environment. You can do this in several ways.

#### **Stand-alone installation.**

With this option, you must first obtain software from the Oracle™ Corporation entitled "Personal Oracle for Windows 95™ and Windows NT™", either version 7.3.3 or 7.3.4, and install it on your PC. If you choose this configuration, your STORET data will reside on your PC, as will the STORET application, and it can operate anywhere you take your PC. STORET may be run on a portable laptop computer.

#### **Attached to your network.**

If your office has a network which offers an Oracle™ database server, you may choose to install the STORET database on it, and run the STORET application on your Windows 95™ or Windows 98™ or Windows NT™ PC attached to this network. We will work with your network Data Base Administrator (DBA) to choose the best configuration for STORET in this case, and you (as well as others in your office) can use all the features of STORET by sharing a single set of STORET data files.

#### **Attached to a leased network.**

If you have no local network, or if your network does not offer Oracle™ support, you may lease capacity on any network which offers such services.

### 3.0 Cautions

To avoid problems with this installation, you should:

- ! Terminate (close) any windows or applications on your PC before starting this install.
- ! Be sure your system is "ready" for this install. If you are using the stand-alone option, be sure that the Personal Oracle™ installation has succeeded before attempting to install STORET.
- ! If you have STORET version 1.0 installed on your PC, and you do not need to keep the data you may have put there, we recommend you uninstall it before upgrading. Refer to page 14 for instructions concerning the STORET uninstall process.
- ! We recommend that you refuse the Oracle™ Starter Database option during the Oracle™ install. It takes up about 20 megs of disk space, and will be inaccessible once STORET has been installed.

### 4.0 Installation of Basic STORET Software

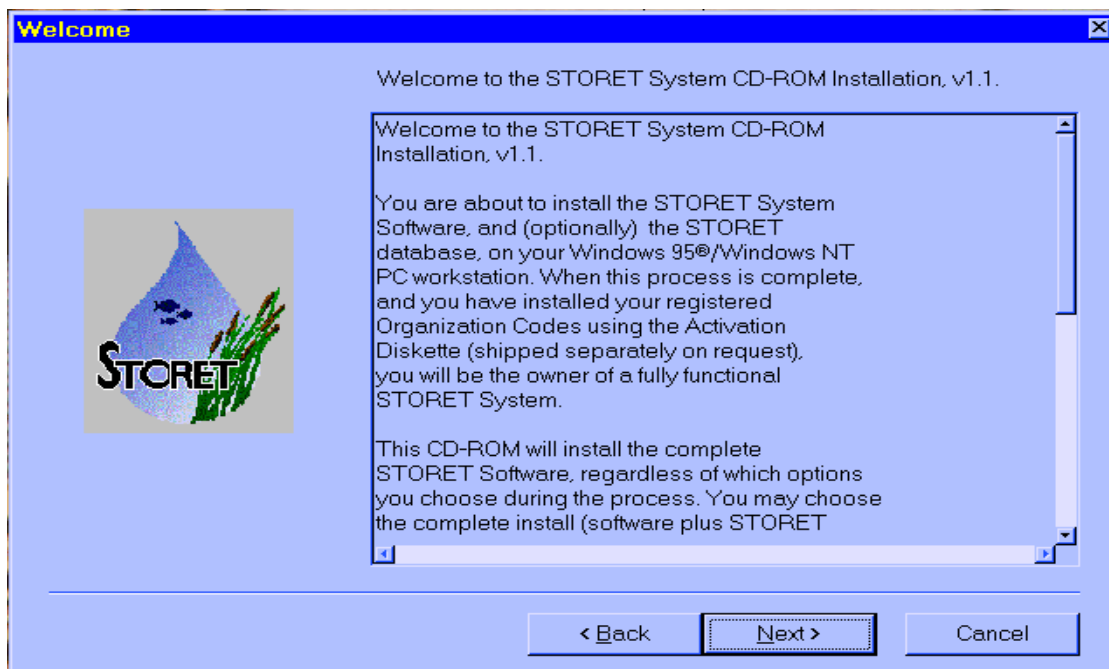
Begin installation by placing the STORET version 1.2 CD in your CD-ROM drive, and closing the tray. The CD is NOT designed to be self-starting. Click on the "Start" icon on your Windows™ task bar, and choose "Run". Click on the "Browse" button on the "Run" panel, and select the drive corresponding to your CD-ROM drive. Find the sub-directory ..\Personal&Client Install, find the "setup.bat" (NOT "Setup.exe") file, and double-click it. The installation should start immediately.

#### Overview:

You will first install STORET System v1.1 then...  
Upgrade to STORET System v1.2

#### Procedures:

1. Install STORET Application v1.1
2. Build STORET Database v1.2 {Oracle 7-default(automatic),Oracle 8i-manual(option)}
3. Upgrade STORET Application v1.2



Take a moment to scroll and read the text information offered at the beginning of the install, and be prepared to answer some short questions about your installation process. Make note of the fact that STORET is **NOT** copyrighted, and may be freely copied.

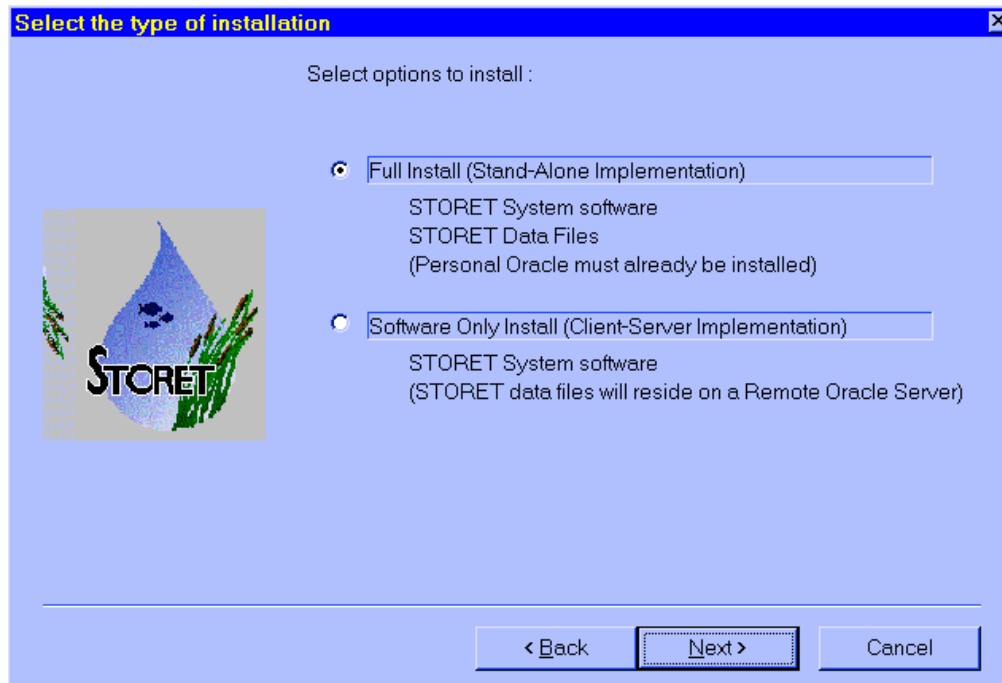
Clicking "Cancel" on any installation window will invoke a dialog box allowing you to "Resume" or "Exit Setup" installation.

Click "Next" to proceed with the installation.

Additional information text will appear regarding the supporting documentation, installed test data, and email address for comments.

Click "Next" to proceed with the installation.

You will be required to choose between the "Full Install" (see notes above concerning the stand-alone option) or the "Software Only Install." The Full Install requires you to have previously installed the Personal Oracle™ database software.



Click on the appropriate button, and then click "Next".

You will see windows offering a choice of disk drives on which the STORET software and data files will install. Your "C:" drive will normally be the default choice for both, but you may pick any drive (including a network drive) for these options. It is not necessary for the STORET software to be on the same drive with your Oracle Software, or the STORET data files and tables. STORET will create (or reuse) a directory (folder) named "STORETv10" into which all the STORET software will be installed.

The data portion of STORET will occupy about 450 megs by default, and this may determine which disk you choose. The value in parenthesis next to each drive represents the available/free disks space on the drive. The install will create (or reuse) a folder named "Orastor" on this drive, and put the data in it.

After choosing these drives, click "Next" to proceed with the installation.

A window will appear allowing you to view and confirm the settings you have chosen. Click "Back" to change the settings or "Next" to proceed with the installation. If you selected the Full Install option, the installation of STORET's data files and tables will automatically start.

This part of the install will take 30 to 60 minutes depending on the power of your PC. Many messages will scroll quickly across your screen during this phase of the installation. This is normal, and you can ignore these messages. These messages will

appear in what Windows calls a "MS DOS Window", and this window may automatically "Close on Exit", depending on your existing MS DOS Prompt property settings. If it does not automatically close, wait for the word "Finished" to appear in its title bar, and then close it by clicking on the "X" box in its upper right corner.

```

IMP73
Auto
D:\>IMP73 SYSTEM/STORET FILE=C:\orastor\import\STORET.DMP log=C:\orastor\import\
STORET.log COMMIT=Y full=Y Buffer=4000

Import: Release 7.3.3.0.0 - Production on Wed Aug 19 08:22:57 1998

Copyright (c) Oracle Corporation 1979, 1996. All rights reserved.

Connected to: Personal Oracle7 Release 7.3.3.0.0 - Production Release
With the distributed and replication options
PL/SQL Release 2.3.3.0.0 - Production

Export file created by EXPORT:V07.03.04 via conventional path
. importing SYSTEM's objects into SYSTEM
. importing STORET's objects into STORET
. . importing table "TSMESTRY" 1802 rows imported
. . importing table "TSMFHU" 2149 rows imported
. . importing table "TSMGEOPA" 3457 rows imported
. . importing table "TSMGEOUN" 12624 rows imported
. . importing table "TSMLEHUN" 93 rows imported
. . importing table "TSMMD" 79 rows imported
. . importing table "TSMNAL" 559 rows imported
. . importing table "TSMPRMUL" 403 rows imported
. . importing table "TSMPROLE" 27 rows imported
  
```

Installation will perform a few final operations, and go to completion.

If you choose to allow the installation program to restart your computer, you should **NOT** remove the CD until the shutdown is complete. You may choose to refuse this restart option, and you may wish to examine the CD for additional items it contains at this time. Refer to Chapter 5, "Installation of STORET Report Software" or Chapter 8, "The CD Also Contains".

Click "Finish" to clear the last install window off your screen.

## 5.0 Installation of STORET Reports Software

You may install the STORET Reporting Module in the same session, or wait until later. It is not necessary to re-install the STORET Basic Software in order to launch the STORET Reports installation.

**NOTE:** The STORET Reports Module comes on a separate CD and is not included on the STORET v1.2 Installation CD. Please contact STORET Support to request the Reports Module CD.



## Installation

The STORET Report Module version 1.2 installation requires approximately 15 minutes to complete depending upon system configuration.

### Warning:

In the unlikely event that you already have an Oracle Help Application written against the STORET database, and have named that Help Application SRHLP, **do not** proceed with the installation. Contact STORET Technical Support for assistance.

## Installation Overview

This installation is performed in two stages. Stage one will install the STORET Report Module v1.2 software and all necessary Oracle runtime components. This stage uses the Oracle Installer for all functions. All users of the STORET Report Module v1.2 must perform the stage one install.

Stage two will make several necessary database changes to your STORET database. If you are running the stand-alone Personal Oracle version of STORET, you must perform the stage two update. If not, these changes must be performed on your Oracle server by your Database Administrator (DBA).

## Stage one: Installation of the STORET Report Module v1.2 and Necessary Oracle Runtime Components (Overview)

The installation of this stage is managed by the Oracle Installer, which comes on the STORET Report Module v1.2 CD. The STORET Report Module v1.2, the Oracle Forms runtime, Oracle Reports runtime, and Oracle Net8 are the principle components of this installation. An Oracle Patch for the Forms and Reports runtime components must also be run for proper operation of your reports module. The following possible scenarios regarding the Oracle components could be present on your workstation:

- If the Oracle Forms and Reports runtime, and Oracle Net8 components **are not** present on your workstation, this installation will install them.
- If the Oracle Forms and Reports runtime, and Oracle Net8 components **are** present on your workstation with an **older** version, this installation will upgrade all appropriate components.
- If the Oracle Forms and Reports runtime, and Oracle Net8 components **are** present on your workstation with **the same** version, this installation will add or overwrite the existing files in case any files were missing or corrupted.
- If the Oracle Forms and Reports runtime, and Oracle Net8 components **are** present on your workstation with a **newer** version, this installation will provide a prompt asking you if you want to **downgrade** each components to the ones provided on this CD. You should click <No> to prevent a downgrade of that particular Oracle component, and

continue installing the other components included in your STORET Report Module installation package.

### **Installation of Oracle Runtime Components and STORET Report Module v1.2**

Perform steps 1 - 6 below on every workstation that will be running the STORET Report Module v1.2.

1. Insert the STORET Report Version 1.2 CD. The Oracle Installer will start automatically and perform the initial installation of the STORET Report Module and Oracle Runtime components. When the Oracle Installation Settings window appears, enter your company name; leave all other default values.
2. If this portion of the installation is successful, a message will appear stating that the installation is successful.
  - If you receive a prompt(s) warning about a possible downgrade during the installation, you should **not** downgrade. Click <**No**> to prevent a downgrade and continue the installation.
3. Exit the Oracle Installer.
4. Use the Windows Explorer to display the contents of the root directory of the STORET Report Module v1.2 CD, and run the “patch.bat” file you will find there to install the required Oracle patch. The Oracle Installer will start again and install the Oracle patch. When the Oracle Installation Settings window appears, handle the entry of all fields as you did in step 1.
5. If this portion of the installation is successful, a message will appear stating that the installation is successful.
  - If you receive a prompt warning(s) about a possible downgrade during the installation, you should not downgrade. Click <**No**> to prevent a downgrade and continue with the installation.
6. Exit the Oracle Installer.

If any other warning or error messages appear that you need assistance in interpreting or resolving, please contact STORET Technical Support at **1-800-424-9067**, or by E-mail at **STORET@epa.gov**.

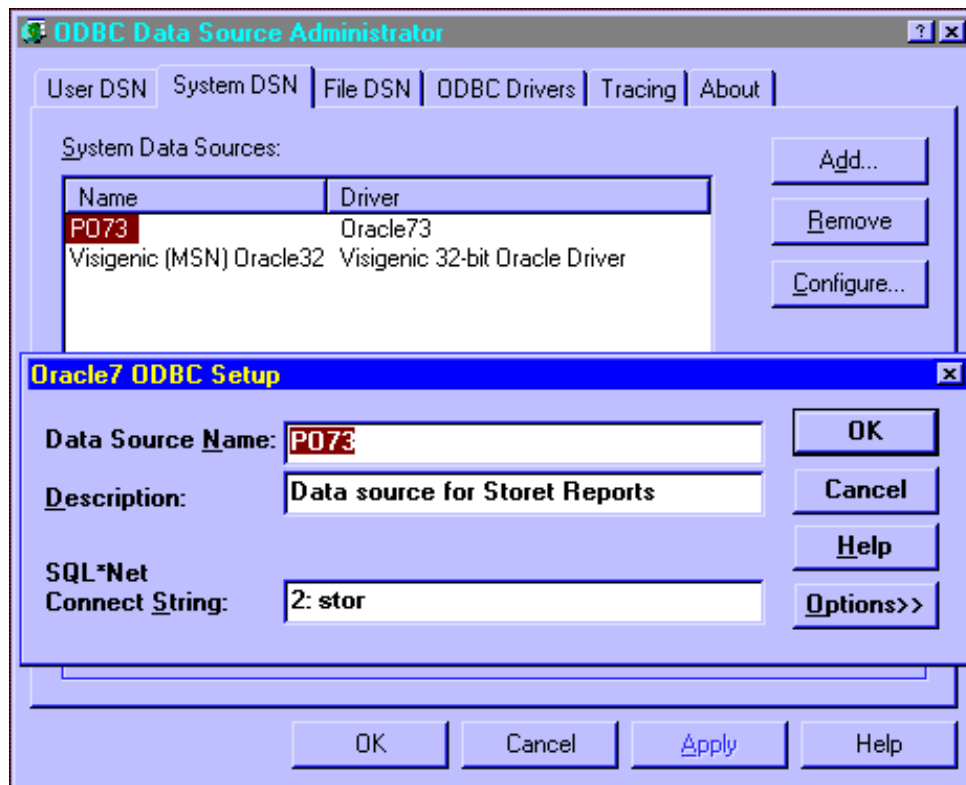
## Stage Two: Installation of STORET Database Changes

### Warning:

If you have previously installed “Database Views” of your STORET data using the download originally provided via our web site in July 2000, you should download a fresh version of this script and re-install it. The original version contained an incorrect internal password for the STORET database, and if not replaced, will cause the newly installed Reports Module to fail when producing the “Result Details” report.

Perform steps 1 - 4 on your workstation if you are running the stand-alone Personal Oracle version of STORET.

1. If not already running, start the STORET database.
2. If not already inserted, insert the STORET Report Module v1.2 CD, and using the Windows Explorer, open the **“DB Changes”** directory on the CD.
3. Run the file **“RUN.BAT”** you find there to install the necessary database changes.
4. You may examine the files SRV12droptable.log, SRV12impreportdata.log and SRV12run.log on the root of your C: drive for errors. The log files store all the actions performed during this stage of the installation, and will assist diagnosis by STORET Technical Support if you experience problems. There are many conditions such as the pre-existence of a table or function that could produce warnings. Warnings can generally be ignored.
  - If there are no errors, your database changes were successfully installed.
  - If errors were recorded in the log files that you need assistance in interpreting or resolving, please contact STORET Technical Support at **1-800-424-9067**, or by E-mail to **STORET@epa.gov**.



## Replace ODBC Data Source Name Linkages

In order to link Third Party Applications (i.e. MS Excel, ArcView), you must update your Windows 95™ Open Database Connection (ODBC) setup, and modify its Data Source Name (System DSN) link. To make this adjustment, click on the "Start" menu button on your task bar, and then click on "Settings", and under that list, "Control Panel". Once in the Control Panel, locate and double-click the entry (icon) named "32 Bit ODBC" ("ODBC" (or "ODBC32") if in Windows NT).

This will bring up the "ODBC Data Source Administrator". Click the "System DSN" tab or button, and then click "ADD". This will bring up a list of available ODBC drivers in a selection box. Highlight the choice named "Oracle73" (or Oracle73 Ver2.5) and click "Finish". In the Oracle7 ODBC Setup window which pops up, Enter "PO73" as your Data Source Name (DSN), and a brief description as shown in the illustration above. Modify the text labeled "SQL\*Net Connect String" to your host name synonym (as supplied by your DBA), and click "OK". Then exit from the ODBC Administrator with its "OK" button, and you should be able to connect to STORET.

## 6.0 Your First STORET Session

You need to be sure that the person who first logs on to STORET is the person you want to be the STORET System Administrator.

If you are using the STORET stand-alone option, select the "Start" button on the Windows task bar. Select "Programs", and from the list presented, select "STORET System v1.2", and from the list of options there, select "Start Database". A dialog window will appear with messages regarding the database start process, and you can close this window when startup has completed. Windows 95/98™ users will notice a small blue (cyan) "disk stack" icon on the lower left corner of your Windows task bar to indicate that the Oracle™ kernel is running, and connected to a database. Windows NT/2000™ does not display this icon.

Return to the "Start" and "Programs" menu, and again select "STORET System v1.2". This time, click the "STORET Application" item, and STORET will start. A small logon screen will appear, similar to the illustration below. You should insure that the fields are filled in as shown, and then click "LOGON" to start your STORET session.

<b>Database:</b>	2:stor
<b>SQL ID:</b>	storuser
<b>Password:</b>	storuser

If you fill this out correctly, you will enter the STORET window immediately. STORET should sense that no user has previously logged on, and will automatically open a "Initial User Data Entry" window for you, and assign you the role of "System Administrator" in the STORET System. You will be asked for your first and last name, and some optional remark text.

The STORET System Administrator role is the one which enables you to register additional UserIDs within STORET, and to assign them roles as well. You may assign the STORET System Administrator role to more than one UserID.

If you are **not** using the STORET stand-alone option, this sequence will be dramatically different. First, you will not have the ability to START or STOP the STORET database. This must be done by the Data Base Administrator (DBA) of your server. The DBA must assign you a valid Oracle UserID, and a Database name for the LOGON box which is correct for your local system. You must use the Database name, Oracle UserID (SQL ID) and password which your DBA assigns. STORET will react appropriately, and register you as STORET System Administrator, given that you are the first to LOGON to STORET.

After filling out the "Initial User Data Entry" information, click "Accept" to continue.

### **Changing Your Password**

You should not need to change your password when using the Personal Oracle™ product, but if you wish to do so, here's how:

1. Click on the "Start" menu on the task bar.
2. Click on "Programs" to bring up that menu.
3. Click on "Oracle for Windows 95" or "Oracle for Windows NT", depending on your system.
4. Click on SQL Plus 3.3.
5. Enter your username and password on the LOGON screen which appears. Leave the host string field alone.
6. Click "OK".
7. Wait for the prompt "SQL >".
8. Type the following command where "UserID" is your current user ID and "newpassword" is your desired new password.

**ALTER USER *UserID* IDENTIFIED BY *newpassword*;**

Be sure to include the semicolon, and double-check the new password.

Press the "Enter" key on your keyboard.

9. Type "EXIT" to leave SQL\*Plus.

Press the "Enter" key on your keyboard.

## **7.0 Running Reports**

STORET arrives on your local system with some pre-installed data, under a fictional Organization Code called "DEMOTEST". You are given authority to modify these data after installation. We suggest you use the interactive screens to browse around these data, to become familiar with the Projects, Stations, Field Activities, and Results it records. Once you have done this for a while, exit from STORET and start the STORET Reports.

If you are using the STORET stand-alone option, select the "Start" button on the Windows task bar. Select "Programs", and from the list presented, select "STORET System v1.2", and from the list of options there, select "Start Database". A dialog window will appear with messages regarding the database start process, and you can close this window when startup has completed. Windows 95/98™ users will notice a small blue (cyan) "disk stack" icon on the lower right corner of your Windows task bar to indicate that the Oracle™ kernel is running, and connected to a database. Windows NT/2000™ does not display this icon.

From the "Start" menu, select "Programs", and then "STORET Report". Within this, again select "STORET Report". A small logon screen will appear, similar to the illustration below. You should insure that the fields are filled in as shown, and then click "LOGON" to start your STORET Reporting Module session. Remember to enter the appropriate password for those who have changed the password from the default.

If you are not using the STORET stand-alone option, this sequence will be dramatically different. First, you will **not** have the ability to START or STOP the STORET database. This must be done by the Data Base Administrator (DBA) of your server. The DBA must assign you a valid Oracle UserID, and a Database name for the LOGON box which is correct for your local system. You must use the Database name, Oracle UserID (SQL ID) and password which your DBA assigns.

<b>SQL ID:</b>	storuser
<b>Password:</b>	storuser
<b>Database:</b>	2:stor

If you fill this out correctly, you will enter the STORET Reporting Module window immediately.

To get started, select the "Standard Reports" choice from the opening screen, and then double-click the "Stations" item, and then the "Station Details" option. Move to the "Organization" box at the top right of this screen, and bring up the short list of organizations by clicking the little "down arrow". Highlight "DEMOTEST", and click "Preview". After a brief delay, a portion of the reports first page will appear in the window, showing the beginnings of the "Station Details" report. Choosing "Print" instead of "Preview" will send the report immediately to your Windows™ default printer. You may continue in this manner to examine other available reports.

The option on the STORET Reports Welcome Screen called "File Export" will create a file which is comma-delimited (CSV) for import into common PC applications such as spread sheets and databases.

The "Repair and Compact" option you see in the STORET Report folder should be selected from time to time to clean up your hard drive of temporary space assignments made there during the construction of the reports.

## **8.0 The CD Also Contains**

To browse the CD, first place it in your CD-ROM Drive and close the tray. You can use your Windows Explorer™ to identify all the items on the CD. You will find:

### Documentation

There is a directory (folder) on the STORET CD named "User\_Documents". This folder contains an assortment of STORET documents. Adobe Acrobat™ files are identified by the suffix "PDF". The text documents are also saved in Word Perfect format with the suffix "WPD".

The most important document is the complete "STORET User Guide and Reference Manual", and we recommend you print this one out so you can refer to it as needed. It is about 70 pages in length. Other documents describe the data tables and fields of STORET from the "system" point of view, and are supplied for those interested in our internal design.

### DBA Stuff

There is also a folder on the CD named "DBA\_Use\_Only", with information designed for the discriminating DBA. We have included sample scripts for the creation of a STORET database, its users, some related roles, and synonym assignments as needed to hold everything together. Non-DBAs should largely ignore this area.

## **9.0 Uninstall**

The uninstall process for your STORET package will generally be done from the inside out, beginning with removal of the STORET Reporting Module software, followed by removal of the STORET Application and database definition, and finally the database files containing the tables and indexes of your personal copy of STORET, if you are using the "Full Install (Stand-alone Implementation)". If you also wish to uninstall the Oracle Products, procedures for doing this are found in the Oracle Installer.

### **Uninstall STORET v1.2 Reports**

Insert the STORET Report Version 1.2 CD. The setup program will detect the presence of the STORET Reporting Module and provide you the "Program Maintenance" window. Click "Remove All" to remove the existing STORET Reporting Module, then "Yes" to confirm removal and wait for the removal to complete.



After removal of the old version, the Report Setup will quit. Click "OK" after Setup has successfully removed the STORET Reporting Module. Do not be confused by the wording of this final confirmation box.

## **Uninstall STORET Application and Database Definition**

**Note:** Once this step is complete, your copy of the STORET database cannot be recovered except through re-installation, which will reset all tables in the database to their "factory" condition. You **will lose** all changes you have made to STORET.

If it is running, close the STORET Application. Click the "Start" button on your task bar, and click "Programs", and then "STORET System v1.2". From the list which appears, click "Uninstall". Answer "Yes" to the "are you sure" window which appears, and "OK" to the "Remove Everything" warning.

During this uninstall you may see warnings concerning the deletion of certain categories of files. You should select "Yes to All" in every case.

Again, it is normal for this uninstall to be unable to remove all parts of STORET. You should ignore the information message which appears as the uninstall is running.

When Setup has finished removing the STORET software, click details to obtain a list of folders that could not be removed. Record this list for reference purposes. The list will be helpful while performing the "Uninstall STORET Data Files Manually" portion of this document.

## **Uninstall STORET Data Files Manually**

Start the Windows Explorer, and browse your disks for directories (folders) named "Orastor", or any other folders or files identified in the unremovable details listing. Depending on choices made during your original install, these folders might be on any hard drive you can access, so make sure you check your whole system for them.

For each folder you find, highlight its name in the Explorer and while holding the "Shift" key, press the delete key. A confirmation warning will pop up, asking if you really want to delete the folder and its contents. Click "Yes".

Using Windows Explorer, search for files named "Ctl1stor.ora" and "Initstor.ora". They should be located under the "Orawin95\Database" folder. Delete these files. These manual folder and file deletions will complete the removal of STORET files from your system.

**Note:** All items which you have uninstalled or deleted to this point will be restored to their like-new condition if and when you reinstall STORET.

## **Uninstall Oracle™ Products**

Oracle™ and its products must be deleted using the Oracle Installer™. From the "Start" button on your task bar, select "Programs", then "Oracle for Windows 95" and then "Oracle Installer". Follow the directions on the screen to remove the desired Oracle products. You may choose to remove STORET using the above steps, and still retain Personal Oracle™ on your workstation.

If you have any difficulty with these instructions, or with any part of the uninstall process, please call our STORET Technical Support staff at

**1-800-424-9067**