

CHAPTER 9

ADVANCED REPORTS

9.1 Introduction

The **GRITS/STAT** Advanced Reports Module allows the user to query groundwater monitoring results for a given facility based on user input selection criteria. The user can select any combination of one or more parameters, wells, and sampling dates to be included in the reports. The user may also set a filter value, allowing only values exceeding the MCL, Detection Limit, or a user specified limit to be included in the reports. Four fixed-format reports can be generated, allowing the reported data to be organized by parameter, well, or sampling date.

9.2 Selecting parameters, wells, and sampling dates

Upon entering the Advanced Reports Module, the record selection screen (See Figure 30) is displayed. The screen contains three selection boxes: one for parameters, one for wells, and one for sampling dates. Within each box, the user can select one, several, or all of the records currently stored for the selected facility. The following options are available in the record selection screen:

<F-2>	<i>Parameters</i>	Moves to the Parameter selection box.
<F-3>	<i>Wells</i>	Moves to the Well Selection box
<F-4>	<i>Dates</i>	Moves to the Dates selection box
<F-5>	<i>New Facility</i>	Allows selection of another facility
<F-6>	<i>Report</i>	Displays the Filter Value Input Screen
<Esc>	<i>Main Menu</i>	Returns to GRITS/STAT Main Menu

Figure 30. The Advanced Reports Record Selection Screen

Time: 14:36:04 Date: 03/22/94	NAME:Faux Facility, Inc. FCID:WID000000000	G R I T S - F1 for HELP! -																																																																
<table border="1"> <thead> <tr> <th colspan="2">PARAMETERS</th> </tr> </thead> <tbody> <tr><td>1,1,1Tri</td><td></td></tr> <tr><td>1,1,2Tri</td><td></td></tr> <tr><td>1,1-DCEE</td><td></td></tr> <tr><td>1,1DCE</td><td></td></tr> <tr><td>1,2,4TCB</td><td></td></tr> <tr><td>1,2-DCB</td><td></td></tr> <tr><td>1,2-DCP</td><td></td></tr> <tr><td>1,2-DPH</td><td></td></tr> <tr><td>1,2DCE</td><td></td></tr> <tr><td>1,3-DCB</td><td></td></tr> <tr><td>1,4-DCB</td><td></td></tr> </tbody> </table>	PARAMETERS		1,1,1Tri		1,1,2Tri		1,1-DCEE		1,1DCE		1,2,4TCB		1,2-DCB		1,2-DCP		1,2-DPH		1,2DCE		1,3-DCB		1,4-DCB		<table border="1"> <thead> <tr> <th colspan="2">WELLS</th> </tr> </thead> <tbody> <tr><td>MW-1</td><td></td></tr> <tr><td>MW-2</td><td></td></tr> <tr><td>MW-2A</td><td></td></tr> <tr><td>MW-3</td><td></td></tr> <tr><td>MW-4</td><td></td></tr> <tr><td>MW-5</td><td></td></tr> <tr><td>MW-5A</td><td></td></tr> </tbody> </table>	WELLS		MW-1		MW-2		MW-2A		MW-3		MW-4		MW-5		MW-5A		<table border="1"> <thead> <tr> <th colspan="2">DATES</th> </tr> </thead> <tbody> <tr><td>11/02/83</td><td></td></tr> <tr><td>02/15/84</td><td></td></tr> <tr><td>03/06/84</td><td></td></tr> <tr><td>11/27/84</td><td></td></tr> <tr><td>12/17/84</td><td></td></tr> <tr><td>02/22/85</td><td></td></tr> <tr><td>04/11/85</td><td></td></tr> <tr><td>06/26/85</td><td></td></tr> <tr><td>06/26/85</td><td>CME A</td></tr> <tr><td>10/18/85</td><td></td></tr> <tr><td>03/14/86</td><td></td></tr> </tbody> </table>	DATES		11/02/83		02/15/84		03/06/84		11/27/84		12/17/84		02/22/85		04/11/85		06/26/85		06/26/85	CME A	10/18/85		03/14/86	
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<F3> Wells	<F4> Dates	<F5> New Facility																																																																
<F6> Report	<ESC> Main Menu																																																																	

9.3 Setting a Filter Value

The filter value input screen is used to specify a minimum reporting value. Either the MCL, Detection Limit, or a user input value can be selected. Selecting the default All Values option will cancel a previously set filter value. When an advanced report is generated with a filter value in effect, the concentration value for each parameter is compared to its corresponding filter value, and included in the report, only if it exceeds that value. If the MCL or Detection Limit filters are selected, the comparisons are based on the currently stored MCL or Detection Limit values for that parameter. If a user entered filter value is used, the concentration value for each parameter is compared to the user input value (i.e., a user entered filter value will apply to all parameters)

9.4 Advanced Report Formats

The following advanced report formats are available:

Date Report Displays parameter abbreviations across the top with dates and wells down the left hand side. Indexed on dates. (See Figure 31 for an example of the Date Report.)

Well Report Displays parameter abbreviations across the top with wells and dates down the left hand side. Indexed on wells.

Parameter Report indexed by Dates Displays wells across the top with parameters down the left hand side. Each unique date begins a new screen or page.

Parameter Report indexed by Wells Displays dates across the top with parameters down the left hand side. Each unique well begins a new screen or page.

Time: 14:36:04 Date: 03/22/94		NAME:Faux Facility, Inc. FCID:WID000000000		G R I T S F1 for HELP!
DATES	WELLS	2,4,5-TP	2,4-D	Ag
11/02/83	MW-1	=	=	=
11/02/83	MW-2	=	=	=
11/02/83	MW-3	=	=	=
02/15/84	MW-1	=	=	=
02/15/84	MW-3	=	=	=
03/06/84	MW-1	0.010	=	=
03/06/84	MW-2	=	=	=
03/06/84	MW-4	=	=	=
03/06/84	MW-5	=	=	=
11/27/84	MW-1	=	=	=
11/27/84	MW-2	=	D<0.100	=
11/27/84	MW-3	=	=	=
11/27/84	MW-4	=	=	=

T) Top L) Column Left R) Column Right U) Row Up D) Row Down P) Print
B) Bottom W) Page Left X) Page Right Y) Page Up Z) Page Down E) Exit

Go to the top of the data

Each of the advanced reports is generated on-screen and can be output to a spreadsheet or a text file, and printed in either portrait or landscape orientation. If more data is available than can be displayed on the screen, arrows in the corners of the report box will indicate the direction to scroll to display more data. (See figure An examples of the Advanced Reports.

When a report is displayed on-screen, the following options are available:

<T>	<i>Top</i>	Moves to top of report
	<i>Bottom</i>	Moves to bottom of report
<L>	<i>Left</i>	Scrolls left one column
<R>	<i>Right</i>	Scrolls right one column
<D>	<i>Down</i>	Scrolls down one row
<U>	<i>Up</i>	Scrolls up one row
<W>	<i>Page Left</i>	Scrolls Left one screen
<X>	<i>Page Right</i>	Scrolls right one screen
<Y>	<i>Page Down</i>	Displays next screen
<Z>	<i>Page Up</i>	Displays pervious screen
<F-1>	<i>Parameter Name</i>	Displays full parameter name and units
<F-2>	<i>Previous</i>	Displays the previous date or well
<F-3>	<i>Next</i>	Displays the next date or well
<P>	<i>Print</i>	Displays the print menu
<E>	<i>Exit</i>	Returns to GRITS/STAT Main Menu