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LITHOLOGIC LOGS
WWTP
NAS PENSACOLA, FLORIDA

GERAGHTY & MILLER, INC.
Ground-Water Consultants
Our 30th year

October 26, 1987

Mr. Mike Green, Environmental Engineer
Southern Division
Naval Facilities Engineering Command
215 Eagle Drive
Post Office Box 10068
Charleston, South Carolina 29411-0068

RE: Lithologic Logs, NAS Pensacola Wastewater Treatment Facility

Dear Mr. Green:

Per your request, transmitted herein are boring (lithologic) logs for monitor well locations at the above-referenced site; the logs include OM-8 through GM-14, GM-37, CM-62, GM-64, GM-66, GM-69, GM-73, GM-75, and GM-84. Also attached is a map showing the locations of the wells and a table listing the construction details of the wells.

Because of the numerous logs compiled and the homogeneous nature of shallow sediments at the site (fine to medium-grained sand), lithologic logs were not recorded for the shallow monitor-well locations GM-70 through GM-72 and GM-76 through OM-03. Sediments encountered during the drilling of these wells were examined only to determine the depth of the screen settings.

If you have questions concerning the enclosed information, please do not hesitate to call.

Sincerely,

GERAGHTY & MILLER, INC.

W. Bocskocsky

William P. Bocskocsky
Senior Scientist

Julie Mattick

Julie L. Mattick
Scientist

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To NAS Pens	From SDM
Co. Ron Joiner-Envir	Co. David Crisweer
Dept. Environmental	Phone # A/W 503-0617
Fax # A/W 922-3699	Fax #

Enclosures
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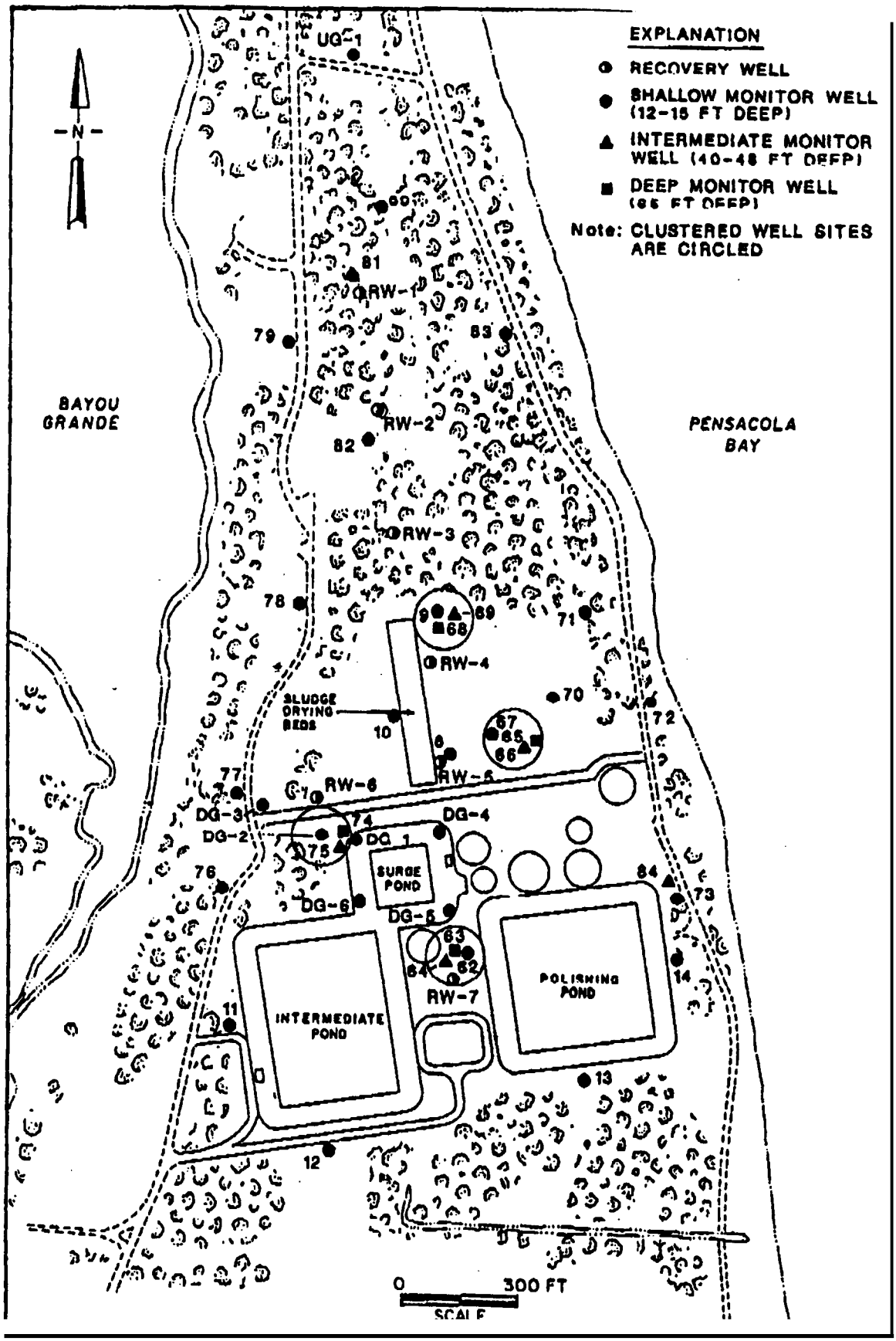

Locations of Monitor Wells, NAS Pensacola, Wastewater Treatment Plant.

Construction Details of the Monitor Wells
Installed by Geraghty & Miller, Inc., at NAS-Pensacola
Wastewater Treatment Plant

Well Designation	Total (ft bls	Screened Interval (ft bls)1/	Depth to Filter Pack (ft bls)1/	Top of Well Casing Elevation (ft msl)2/
		Phase I		
GM-8	12.0	9.5 - 12.0	5.5	6.12
GM-9	12.0	9,3 - 11.8	5.3	5.65
CM-10	12.0	9.5 - 12.0	5.5	5.83
OM-11	12.0	9.3 - 11.8	5.5	6.00
GM-12	12.0	8.8 - 11.3	4.8	5.73
GM-13	12.0	9.5 - 12.0	5.5	5.09
GM-14	12.0	8.9 - 11.4	5.0	4.56
		Phase II		
GM-62	15.0	12.5 - 15.0	4.0	7.11
GM-63	65.0	62.5 - 65.0	56.0	6.97
GM-64	40.0	37.5 - 40.0	35.0	6.26
GM-65	65.0	62.5 - 65.0	50.0	6.67
GM-66	40.0	37.5 - 40.0	31.0	7.48
GM-67	15.0	12.5 - 15.0	8.0	6.38
GM-68	65.0	62.5 - 65.0	56.0	7.00
GM-69	40.0	37.5 - 40.0	32.0	7.85
GM-70	15.0	12.5 15.0	7.0	7.13
GM-71	12.5	10.0 - 12.5	7.0	6.76
GM-72	12.5	10.0 - 12.5	7.0	7.61
GM-73	15.0	12.5 - 15.0	7.0	12.36
GM-74	65.0	62.5 - 65.0	57.0	6.68
GM-75	40.0	37.5 - 40.0	33.0	6.17
GM-76	13.5	11.0 - 13.5	6.0	7.88
GM-77	13.5	11.0 - 13.5	5.0	4.71
CM-78	13.0	10.5 - 13.0	8.0	7.02
GM-79	12.5	10.0 - 12.5.	7.0	4.65
GM-80	13.5	11.0 - 13.5	8.0	4.63
GM-81	12.5	10.0 - 12.5	8.0	4.33
GM-82	12.5	10.0 - 12.5	7.0	4.45
GM-83	12.5	10.0 - 12.5	8.0	4.84
GM-84	48.0	43.0 - 48.0	38.0	11.84

1/ = feet below land surface
2/ = feet referenced to mean sea level

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LITHOLOGIC LOG OF MONITOR WELL CM-8

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, gray to light brown...,	0 - 8	8
Sand, fine-grained, gray to light brown; rock fragments; black organic sediment; strong solvent odor.....	8 - 11.5	3.5

LITHOLOGIC LOG OF MONITOR WELL GM-9

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, gray to gray-white,.,.	0 - 7.5	7.5
Sand, fine-grained, gray to white; strong solvent odor.....	7.5 - 11.5	4

LITHOLOGIC LOG OF MONITOR WELL GM-10

Description	Depth (ft)	Thickness
Sand, fine-grained, light brown; solvent odor.....	0 - 11.5	11.5

LITHOLOGIC LOG OF MONITOR WELL GM-11

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, light brown to brown,,	0 - 11.5	11.5

LITHOLOGIC LOG OF MONITOR WELL GM-12

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, light brown to brown.,	0 - 11.5	11.5

LITHOLOGIC LOG OF MONXTOR WELL GM-13

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, light brown to gray; slight solvent odor.....	0 - 11.5	11.5

LITHOLOGIC LOG OF MONITOR WELL CM-14

Description	Depth (ft)	Thickncss (ft)
Sand, fine-grained, brawn to light brown..	0 - 11.5	11.5

LITHOLOGIC LOG OF MONITOR WELL GM-37
(WELL DESTROYED)

Description	Depth (ft)	Thickness (ft)
Sand, fine-grained, light brown to brown; plant roots.....	0 - 3.5	3.5

LITHOLOGIC LOG FOR MONITOR WELLS GM-62, GM-63, AND GM-64

Description	Depth (ft)			Thickness (ft)
Fine- to medium-grained white sand.....	0	-	5	5
Pine- to medium-grained white sand.....	5	-	10	5
Pine- to medium-grained white sand.....	10	-	15	5
Fine- to medium-grained white sand.....	15	-	20	5
Fine- Lo medium-grained white sand.....	20	-	25	5
Fine- to medium-grained white sand.....	25	-	30	5
Pine- to medium-grained white sand.....	30	-	35	5
Fine- to medium-grained gray sand.....	35	-	40	5
Fine- to medium-grained gray sand.....	40	-	44	4
Gray clay.....	44	-	50	6
Gray clay, shell material.....	50	-	56	6
Fine-grained white sand, wood fragments..	50	-	64	8

LITHOLOGIC LOG FOR MONITOR WELLS GM-65, GM-66, AND GM-67

Description	Depth (ft)	Thickness (ft)
Fine- to medium-grained white to buff sand	0 - 5	5
Fine- to medium-grained white to buff sand	5 - 10	5
Fine- to medium-grained white to buff sand	10 - 15	5
Fine- to medium-grained white to buff sand	15 - 20	5
Fine- to medium-grained white to buff sand	20 - 25	5
Fine- to medium-grained white to buff sand	25 - 30	5
Fine- to medium-grained white to buff sand	30 - 35	5
Fine- to medium-grained white to buff sand	35 - 40	5
Fine- to medium-grained gray sand.....	40 - 42	2
Gray clay.....	42 - 45	3
Gray clay.....	45 - 50	5
Gray clay.....	50 - 55	5
Gray clay, wood fragments.....	55 - 58	3
Fine- to medium-grained gray sand.....	58 - 68	10

LITHOLOGIC LOG FOR MONITOR WELLS GM-68 AND GM-69

Description	Depth (ft)	Thickness (ft)
Fine- to medium-grained gray brown sand...	0 - 5	5
Fine- to medium-grained buff to white sand	5 - 10	5
Fine- to medium-grained buff to white sand	10 - 15	5
Fine- to medium-grained buff to white sand	15 - 20	5
Fine- to medium-grained buff to white sand	20 - 25	5
Pine- to medium-grained buff to white sand	25 - 30	5
Fine-grained white sand.....	30 - 35	5
Fine-grained white sand.....	35 - 41	6
Gray clay.....	41 - 45	5
Gray clay, shell material.....	45 - 50	5
Gray clay, shell material.....	50 - 56	6
Fine- to medium-grainad gray sand.....	56 - 66	10

LITHOLOGIC LOG FOR MONITOR WELLS GM-74 AND GM-75

Description	Depth (ft)			Thickness (ft)
Fine- to medium-grained white to buff sand	0	-	5	5
Fine- to medium-grained white to buff eand	5	-	10	5
Fine- to medium-grained white to buff sand	10	-	15	5
Fine- to medium-grained white to buff sand	15	-	20	5
Fine- to medium-grained white to buff sand	20	-	25	5
Fine- to medium-grained white to buff sand	25	-	30	5
Fine- to medium-grained white to buff sand	30	-	38	8
Gray clay, silt and minor fins sand.....	38	-	50	12
Gray clay, silt and minor fine oand.....	50	-	56	6
Fine- to medium-grained sand, gray.....	56	-	65	9

LITHOLOGIC LOG FOR MONITOR WELLS GM-73 AND GM-84

Description	Depth (ft)	Thickness (ft)
Fine- to medium-grained white sand; concrete rubble, asphalt pieces.....	0 - 10	10
Fine- to medium-grained sand, white.....	10 - 48	38
Blue gray clay.....	48 - 49	1

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