99425

STATE OF DELAWARE

DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

REQUEST FOR LABORATORY ANALYSIS

Date Sampled 8-8-75 Sampled By R. Stanfer

Request By M. APGAR Results To M. APGAR

Frequency of Sampling _____ Projected Completion Date _____

Sample Type: Stream _____ Well ✓ Domestic Waste _____ Industrial _____

Air _____ Biological _____ Sludge _____ Boring _____ Other _____

Location of Sample: WP-2 Del. Sand & Gravel Co. LF.
New Castle Del.

Comments/Instructions SpC & COD (Filter for COD)

Stream _____ Basin _____

Aquifer _____ Mode of Sampling _____

Tide _____ Air Temp. _____

Chlorine Residual _____ Thio Added ☐ Yes ☐ No

Lab No.	Sample Description	Flow	Time	Temp.
3897	Del. Sand #2			

Date Accepted Aug 8 1975 Date Completed 8/11/75

Time Accepted 5:10 PM Accepted By M Pirman

TSS 103 (a) (Revised)

AR100035

ANALYSIS REQUEST

Lab Log No.		3597						
% Saturation								
Dissolved Oxygen, mg/l								
BOD, mg/l								
COD, mg/l	✓	31						
Color, units								
Turbidity, FTU								
ORP, mv								
Spec. Cond., micromhos/cm	✓	319						
pH								
Alkalinity, mg/l $CaCO_3$								
Acidity, mg/l $CaCO_3$								
Hardness, mg/l								
Chloride, mg/l								
Fluoride, mg/l								
Total Nitrogen, mg/l N								
Organic Nitrogen, mg/l N								
Ammonia Nitrogen, mg/l N								
Nitrite Nitrogen, mg/l N								
Nitrate Nitrogen, mg/l N								
Sulfate, mg/l SO_4								
Total Phosphate, mg/l PO_4								
MBAS, mg/l								
Phenol, ppb								
Grease, mg/l								
Cyanide, mg/l Organic CN								
Settleable Solids, ml/l								
Total Susp. Solids, mg/l								
NonVol Susp. Solids, mg/l								
Vol. Susp. Solids, mg/l								
Total Solids, mg/l								
NonVol Tot. Solids, mg/l								
Vol. Tot. Solids, mg/l								
% Moisture								
Iron, mg/l								
Copper, mg/l								
Manganese, mg/l								
Chromium, mg/l								
Silver, mg/l								
Calcium, mg/l								
Zinc, mg/l								
Lead, mg/l								
Nickel, mg/l								
Cadmium, mg/l								
Mercury, mg/l								
Sodium, mg/l								
Arsenic, mg/l								
Selenium, mg/l								
Total Coliform #/100 ml								
Fecal Coliform #/100 ml								
Fecal Strep #/100 ml								

AR100036

TSS -103 (b) (Revised 6/73)

ANALYSIS REQUE[illegible]

		1	2				
Lab Log No.		3654	655				
% Saturation							
Dissolved Oxygen, mg/l							
BOD, mg/l	✓	[illegible]	[illegible]	[illegible]	[illegible]		
COD, mg/l	✓	157	19.2				
Color, units							
Turbidity, FTU							
[illegible], mm							
Spec. Cond., micromhos/cm	✓	1860	632				
pH	✓	7.1	7.0				
Alkalinity, mg/l $CaCO_3$	✓	523	196				
Acidity, mg/l $CaCO_3$	✓	124	201				
Hardness, mg/l	✓						
Chloride, mg/l	✓	370	72				
Fluoride, mg/l							
Total Nitrogen, mg/l N							
Organic Nitrogen, mg/l N							
Ammonia Nitrogen, mg/l N	✓						
Nitrite Nitrogen, mg/l N							
Nitrate Nitrogen, mg/l N							
Sulfate, mg/l SO_4	✓						
Total Phosphate, mg/l PO_4							
[illegible], mg/l							
Phenol, ppb							
Grease, mg/l							
Cyanide, mg/l Organic CN							
Settleable Solids, ml/l							
Total Susp. Solids, mg/l							
Nonvol Susp. Solids, mg/l							
Vol. Susp. Solids, mg/l							
Total Solids, mg/l							
Nonvol Tot. Solids, mg/l							
Vol. Tot. Solids, mg/l							
% Moisture							
Iron, mg/l	✓	91.	33.3				
Copper, mg/l							
Manganese, mg/l	✓	6.0	2.97				
Chromium, mg/l	✓	0.44	<0.3				
Silver, mg/l							
Calcium, mg/l	✓	15.5	<10.				
Zinc, mg/l	✓	55.5	144				
Lead, mg/l	✓	2.73	1.87				
Nickel, mg/l	✓	<0.50	<0.50.				
Cadmium, mg/l							
Mercury, mg/l							
Sodium, mg/l	✓	380.	60.				
Arsenic, mg/l							
Selenium, mg/l							
Total Coliform #/100 ml							
Fecal Coliform #/100 ml							
Fecal Strep #/100 ml							

AR100037