

DENR Administrative Order
No. 20
June 16, 1994

SUBJECT : Schedule of Laboratory Fees for the Environmental Management Sector.

Pursuant to the provisions of Section 6 of Presidential Decree No. 984, otherwise known as the "Pollution Control Decree of 1976", and by virtue of Executive Order No. 192, Series of 1987 and Memorandum Circular No. 121 of the Office of the President, the Department of Environment and Natural Resources (DENR), hereby adopts and promulgates the following Schedule of Laboratory Fees for Environmental Samples.

AMBIENT AIR/EMISSION SAMPLES
AIR QUALITY PARAMETERS

PARAMETER	TYPE OF SAMPLE (Analytical Method)	FEE/CHARGE PER SAMPLE (In Pesos)
01. Arsenic (Diethyldithio- carbamate Colorimetric Method)	Particulate Matter	
First Sample		320.00
Succeeding Sample		200.00
02. Chloride (Titrimetric Method)	Air-Ambient	140.00
03. Dust Count (Glass Slide Method)	Air-Ambient	200.00

04.	Formaldehyde (Chromotropic/ Sulfuric Acid- Colorimetric Method)	Air-Ambient	
	First Sample		120.00
	Succeeding Sample		70.00
	(Methyl Benzothiazolone Hydrazone Hydrochloride- Colorimetric Method)		
	First Sample		135.00
	Succeeding Sample		85.00
05.	Free Chlorine (Methyl Orange Method)	Air-Ambient	70.00
06.	Hydrogen Chloride and Chlorine (Titrimetric Method)	Air-Ambient	220.00
07.	Hydrogen Fluoride and Fluorine (Titrimetric Method)	Air-Ambient	220.00
08.	Hydrogen Sulfide (Methylene Blue- Colorimetric Method)	Air-Ambient	
	First Sample		250.00
	Succeeding Sample		150.00
09.	Mercury (Cold Vapor Technique)	Air-Ambient	240.00

10.	Metals Antimony, Cadmium, Copper, Lead, Zinc (Wet Ashing - Atomic Absorption Spectrophotometer, AAS)	Particulate Matter	675.00
11.	Nitrogen Dioxide (Griess-Saltzman Method)	Air-Ambient	100.00
12.	Particle Size Measurement (Glass-Slide Method)	Air-Ambient	270.00
13.	Sulfur Dioxide (Pararosaniline Colorimetric Method)	Air-Ambient	
	First Sample		150.00
	Succeeding Sample		100.00
14.	Total Oxidants (Neutral Buffered Potassium Iodide Method)	Air-Ambient	120.00
15.	Total Suspended Particulates (Gravimetric Method)	Air-Ambient	100.00
16.	Ammonia (Nesslerization Method) (Indophenol- Colorimetric Method)	Air-Stack	150.00
	First Sample		100.00
	Succeeding Sample		80.00

17.	Flouride and Flourine (Titrimetric Method)	Air-Stack	280.00
18.	Hydrogen Sulfide (Cadmium Sulfide Method)	Air-Stack	100.00
19.	Sulfur Dioxide (Gravimetric Method) (Barium thorin - Titrimetric Method)	Air-Stack	640.00 100.00
20.	Total Nitrogen Oxide (Phenoldisulphonic Acid Method)	Air-Stack	250.00

**WATER/WASTEWATER SAMPLES
PHYSICO-CHEMICAL PARAMETERS**

01.	Acidity (Titrimetric Method)	Water	70.00
02.	Alkalinity (Methyl Orange Titrimetric Method)	Water	70.00
03.	Ammonia (Indophenol Method)	Water	
	First Sample		150.00
	Succeeding Sample		30.00
	(Phenate Method)		
	First Sample		150.00
	Succeeding Sample		30.00

04.	Anions: Bromide, Chloride, Fluoride, Nitrate, Phosphate, Sulfate (Ion Chromatography)	Water	
	First Sample		150.00
	Succeeding Sample		100.00
05.	Biochemical Oxygen Demand (Azide Modification, 5-day BOD Method)		
	a. Without seed	Surface Water	
	First Sample		370.00
	Succeeding Sample		140.00
	b. Without seed	Piggery	
	First Sample	Effluent,	400.00
	Succeeding Sample	Sewage	200.00
	c. With seed		
	First Sample	Industrial	500.00
	Succeeding Sample	Effluent	250.00
06.	Boron (Carmine-Colorimetric Method)	Water	
	First Sample		150.00
	Succeeding Sample		75.00
07.	Chemical Oxygen Demand (Open Reflux Dichromate Method)	Water	
	First Sample		200.00
	Succeeding Sample		120.00

08.	Chloride (Argentometric Method)	Water	70.00
09.	Chlorophyll (Spectrophotometric Method)	Water	50.00
10.	Chromium Hexavalent (Diphenyl Carbazide- Colorimetric Method)	Water	
	First Sample		100.00
	Succeeding Sample		40.00
11.	Color (Visual Comparison Method - Platinum Cobalt Scale)	Water	30.00
12.	Conductivity (Conductivity meter)	Water	30.00
13.	Cyanide (Specific Ion Electrode Method)	Water	
	Without distillation		75.00
	With distillation		150.00
14.	Detergent (Methylene Blue - Active Substance Colorimetric Method)	Water	
	First Sample		100.00
	Succeeding Sample		50.00

15.	Dissolved Oxygen (Azide Modification, Iodometric Winkler Method)	Water	
	First Sample		100.00
	Succeeding Sample		30.00
16.	Hardness (EDTA Titration Method)	Water	
	First Sample		140.00
	Succeeding Sample		30.00
17.	Nitrate (Brucine Method)	Water	
	First Sample		100.00
	Succeeding Sample		40.00
	(Cadmium Reduction Method)		
	First Sample		140.00
	Succeeding Sample		50.00
18.	Oil and Grease (Gravimetric Method) (Soxhlet Method)	Water	
			100.00
			200.00
19.	pH (Electrode Method)	Water	
			30.00
20.	Phenols (Direct Photometric Method) Without distillation	Water	
	First Sample		75.00
	Succeeding Sample		35.00

	With distillation		
	First Sample		150.00
	Succeeding Sample		75.00
21.	Phosphate (Ascorbic Acid - Colorimetric Method)	Seawater	
	First Sample		125.00
	Succeeding Sample	Water	40.00
	(Stannous Chloride- Colorimetric Method)		
	First Sample		125.00
	Succeeding Sample		40.00
22.	Salinity (Salinometer)	Water	30.00
23.	Solids	Water	
	a. Settleable Solids (Imhoff Cone Method)		20.00
	b. Suspended Solids (Gravimetric Method)		60.00
	c. Total Solids (Gravimetric Method)		40.00
	d. Total Dissolved Solids (Gravimetric Method)		100.00
	e. Volatile Solids (Gravimetric Method)		200.00

24.	Sulfate (Barium Chloride - Turbidimeter Method)	Water	
	First Sample		100.00
	Succeeding Sample		30.00
25.	Turbidity (Nephelometric Method)	Water	30.00

**BIOTA/WATER/WASTEWATER SAMPLES
ORGANIC PARAMETERS**

01.	Organochlorines Aldrin, Alpha-BHC, Beta-BHC, Delta-BHC Gamma-BHC, Dieldrin, p,p - DDD, p,p - DDE, p,p - DDT Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide		
	a. (Gas Chromatography, GC, using Electron Capture Detector, ECD)	Biota	
	First Sample		625.00
	Succeeding Sample		135.00
	b. (GC using ECD)	Water	
	First Sample		1,800.00
	Succeeding Sample		700.00

02.	Organophosphates Dimethoate, Disulfoton, Malathion, Parathion Phorate, Sulfotep, Thionazin, o,o,o-TEP		
	a. (GC using Flame Photometric Detector, FPD) First Sample Succeeding Sample	Biota	625.00 135.00
	b. (GC using FPD) First Sample Succeeding Sample	Water	1,800.00 700.00
03.	Polychlorinated Biophenyls, PCBs Aroclor 1016, Aroclor 1232, Aroclor 1242, Aroclor 1248, Aroclor 1260		
	a. (GC using ECD) First Sample Succeeding Sample	Biota	625.00 135.00
	b. (GC using ECD) First Sample Succeeding Sample	Water	1,800.00 700.00

**WATER/WASTEWATER/SEDIMENT/BIOTA SAMPLES
HEAVY METALS**

01.	Dissolved Copper (Wet Ashing Method, Flame Atomic Absorption Spectrophotometer, AAS)	Water	200.00
	(Methyl Isobutyl Ketone, MIBK, Extraction, Flame AAS)	Seawater	350.00
02.	Total Arsenic (Hydride Generation, Flame AAS)	Water Sediment	260.00 300.00
03.	Total Cadmium, Copper, Iron, Lead Manganes, Nickel, Silver, Zinc (Wet Ashing Method, Flame AAS) (MIBX Extraction, Flame AAS)	Water Sediment Biota Seawater	150.00/element 200.00/element 250.00/element 300.00/element
04.	Total Mercury (Cold Vapour Technique)	Water Sediment Biota Seawater	200.00 250.00 250.00 300.00

**WATER/WASTEWATER/BIOTA SAMPLES
BACTERIOLOGICAL PARAMETERS**

01.	Total and Fecal Coliform		
	a. (Multiple Tube Fermentation Technique)		
	(1) Potability testing	Water	100.00
	(2) With dilution	Surface Water	300.00
		Shellfish and other biota	250.00
	b. (Membrane Filter Method)		
	(1) Potability testing	Water	100.00
	(2) With dilution	Water	250.00
02.	Bacteria and other Micro-organisms		
	a. Salmonella	Water	350.00
	b. Shigella	Water	350.00
	c. Vibrio cholera	Water	350.00
	d. Vibrio alginolyticus	Water	350.00
	e. Vibrio parahaemolyticus	Water	350.00
	f. Staphylococcus aureus	Water	350.00
	g. Pseudomonas aezuginosa	Water	350.00

03.	Heterotrophic Plate Count (Pour Plate Method)	Water	40.00
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Any provision of the 1978 Rules and Regulations of Presidential Decree No. 984 as amended, the Schedule of Fees of 1984 and other existing fees of the DENR which are inconsistent herewith, are hereby repealed accordingly.

This Order shall take effect fifteen (15) days after its publication in any newspaper of general circulation.

ANGEL C. ALCALA
Secretary

Recommending Approval:

BEN S. MALAYANG III
Undersecretary for Field Operations

BENJAMIN C. BAGADION, JR.
Undersecretary for Environment and
Research

RACHEL A. VASQUEZ
OIC, Director
Environmental Management Bureau