VIRGINIA WATER CONTROL BOARD

Coastal Resources Management Grant
(NA88AA-D-CZ091)

INCREASED INSPECTIONS OF PROCESSING FACILITIES ON THE EASTERN SHORE

FINAL REPORT

March 9, 1990

Virginia Water Control Board
Increased Inspections of Processing Facilities on the Eastern Shore

Final Report

I. Background

Control of point source pollution in Virginia's waters is accomplished primarily through issuance of permits by the Virginia Water Control Board. Two types of permits are issued through the Virginia Pollutant Discharge Elimination System (VPDES) and Virginia Pollution Abatement (VPA) permit programs. VPDES permits limit the amount of pollutants which can be discharged, and VPA permits require that conditions be maintained so that nothing is discharged into state waters.

The Virginia Water Control Board Inspection program is an integral part of these permit programs. Since the programs rely on self-monitoring by the regulated community, facility inspections are the primary form of regulatory surveillance. Inspections serve to verify that self-monitoring information is representative and accurate, and that facilities are being operated and maintained effectively. Attachment #1 is the agency's Inspection Strategy for Fiscal Year 1989. It describes the types of inspections conducted and the frequency with which they are conducted.

In addition to these inspections, the agency has an Enforcement and Compliance Auditing System which includes inspections. This system provides for consistent identification of violators, and communication of violations to the permittee. In addition, it involves a point system which defines which violations are followed up with enforcement action. All violations result in delivery of a Notice of Violation (NOV) and performance of a compliance inspection. Attachment #2 is a description of the Compliance Auditing System.

Over the past several years, the agency's inspection program has received a great deal of attention. Citizen concerns over reliance on self-monitoring by permittees have created greater emphasis on an effective inspection program. In addition to assuring that inspections conducted are thorough, the agency has made an effort to increase its presence in the regulated facilities.

One area which was specifically identified was the Eastern Shore of Virginia. The Eastern Shore is part of the agency's Tidewater Region. The Tidewater Regional Office is located in the City of Virginia Beach. Citizens requested that a Field Office be established on the Eastern Shore to increase the agency's presence. It was their belief that permittees were not deterred from violating their permits due to their physical distance from the regional office.

In response to these concerns, the State Water Control Board recognized the need for increased inspections at facilities on the Eastern Shore. Since resources were not available to conduct these inspections, the Board applied for this Coastal Zone Management grant. The grant was used to support a temporary position to conduct both announced and unannounced inspections.

II. Accomplishments

During the period from November 1, 1988 through December 31, 1989, the Tidewater Regional Office's CRMP grant inspector conducted approximately 170 facility inspections on Virginia's Eastern Shore. These inspections focused on those operations with VPDES permitted outfalls to the Chesapeake Bay, the Atlantic Ocean, and their associated tributaries. Inspections were also conducted at facilities with VPA permits (no discharge) and unpermitted facilities. Types of facilities inspected included seafood processors, vegetable processors, municipal treatment plants, rest areas, laundromats, and motels. Many inspections were compliance inspections accompanying delivery of Notices of Violation (NOVs). Detailed reports on individual inspections were provided in quarterly performance reports.

As described in the quarterly performance reports, inspections conducted revealed a multitude of problems and deficiencies. Typical deficiencies identified include poor housekeeping, malfunction and/or poor maintenance of equipment, late and/or incorrect discharge monitoring reports, violation of permit limits, illegal discharges, laboratory deficiencies, and improper sludge handling and/or disposal. It was generally the case that follow-up inspections at facilities with problems revealed that all problems had been corrected.

III. Conclusions

As is evident, this pilot inspection project verified the effectiveness of increased agency presence at Eastern Shore facilities. Dedication of one inspector to this physically remote area of the region resulted in significantly more frequent inspections. This acted as a more effective deterrent than the previously conducted routine inspections.

This conclusion was affirmed by the 1989 General Assembly, which appropriated funds to establish a Field Office on the Eastern Shore. This office consists of one inspector. The position has been established as a full-time classified position, and general funds appropriated for its support.

ATTACHMENT 1

VIRGINIA WATER CONTROL BOARD

INSPECTION STRATEGY

JULY 1, 1988

I. Introduction

The Virginia Water Control Board (VWCB) Virginia Pollutant Discharge Elimination System (VPDES) Permit program, the Virginia Pollution Abatement (VPA) Permit program and the No-Discharge Certificate (NDC) program rely primarily on the concept of discharger self-compliance monitoring. To insure that the self-monitoring information is representative and accurate and that the wastewater facilities are properly operated and maintained, the VWCB conducts facility inspections as the principle form of regulatory surveillance.

The purpose of this document is to set forth the Inspection Strategy of the VWCB. This strategy identifies inspection goals, authorities, objectives, types, frequencies, scheduling, and reporting.

II. Inspection Goals

The major goals of this strategy are:

1. To provide a framework for compliance and to assure optimum coverage and thoroughness in inspection activities of the regulated community;

2. To assure that obligations under the State Water Control Law and federal grant agreements are met; and

3. To provide guidance and assistance for operating plan commitments, budgeting, and resource requirements.

III. Inspection Authority

The VWCB authority to conduct inspections is provided for in the State Water Control Law ("Law") and the Permit Regulation.

62.1-44.13 of the Law states:

> "The Board shall make such inspections, conduct such investigations and do such other things as are necessary to carry out the provisions of this chapter, within the

limits of appropriation, funds, or personnel which are, or become, available from any source for this purpose."

62.1-44.15(6) of the Law states:

"It shall be the duty of the Board and it shall have the authority to make investigations and inspections, to insure compliance with any certificates, standards, policies, rules, regulations, rulings, and special orders which it may adopt, issue, or establish and to furnish advice, recommendations, or instructions for the purpose of obtaining such compliance."

62.1-44.20 of the Law states:

"Any duly authorized agent of the Board may, at reasonable times and under reasonable circumstances, enter any establishment or upon any property, public or private, for the purpose of obtaining information or conducting surveys or investigations necessary in the enforcement of the provisions of this chapter."

62.1-44.21 of the Law states:

"the Board may require every owner to furnish when requested such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of State waters, or such other information as may be necessary to accomplish the purpose of this chapter....."

2.2. F. of the Permit Regulation states:

"Upon presentation of credentials, any duly authorized agent of the Board may, at reasonable times and under reasonable circumstances,

1. Enter upon the permittee's property, public or private and have access to records required by the permit

2. Have access to, inspect and copy any records that must be kept as part of permit conditions,

3. Inspect any facility's equipment (including monitoring and control equipment) practices or operations regulated or required under the permit,

4. Sample or monitor any substances or parameters at any locations for the purpose of assuring permit compliance or as otherwise authorized by Law.

IV. Objectives of Inspection Program

The objectives of the inspection program are as follows:

1. To assist the staff in determining if facilities are in compliance with statutes, regulations, and permit requirements;

2. To improve facility performance by providing advice and assistance;

3. To support permit development;

4. To maintain a regulatory presence as an act of deterrence; and

5. To support administrative, civil, and criminal actions.

Each inspection of a wastewater treatment facility will not accomplish every objective, but most inspections are useful in accomplishing several rather than only one of the above objectives. Therefore, inspection activities are scheduled and implemented to assure optimum coverage of the facility while requiring the least amount of Agency resources.

V. Inspection Types

The VWCB performs three general types of inspections: (1) VPDES Permit Inspections, (2) Compliance Inspections, and (3) VPA Permit/NDC Inspections. The types of inspections and their purposes are listed below. Unless otherwise noted, all inspections are conducted by the VWCB Regional Offices.

1. VPDES Permit Inspections

This inspection includes on-site evaluations of facilities that are regulated by the VPDES Permit Program. VPDES permit inspections consist of the following three subtypes: (a) technical, (b) laboratory, and (c) sampling.

a. VPDES Technical Inspection

This inspection involves a complete and detailed evaluation of the wastewater treatment process and/or sludge treatment facility as well as an evaluation of facility operation and maintenance, record keeping, sampling, and laboratory testing procedures. Technical inspections are documented on the VDH (Virginia Department of Health)-VWCB Wastewater Facility Inspection Report which consists of three parts: Preface, Part I, and Part II. For small facilities (as defined on Table 1), the inspector may complete portions of the VDH-VWCB form or may write a memorandum. This report form is a combination of "checklist" and "fill-in-the-blanks" type format that allows for relatively rapid completion while at the same time providing space for detailed comments. The form is designed to guide the inspector as to what to look for during an inspection. Through completion of the report, operational problems or possible violations should be noted and recommendations for action developed.

The purpose of this inspection is to assist in improving the overall performance of the facility. Reports are to be completed within 30 calendar days of the inspection. The reports are prepared by the Regional Offices, and the Regional Offices are responsible for initiating follow-up corrective actions for inspection deficiences found.

The frequency for performing technical inspections is dependent upon the classification of the facility as noted in the attached Table. Municipal facilities are inspected by the VWCB and VDH; however, the inspections are coordinated to insure adequate time between inspections. The same report form is utilized by the VWCB and VDH to insure maximum utility of the information. Industrial facilities are inspected by the VWCB and in some situations by the VDH where there are sewage treatment facilities at the industrial site.

b. VPDES Laboratory Inspection

The VPDES laboratory inspection is a comprehensive review of the permittee's or commercial laboratory's sampling, analytical, and record keeping procedures. In the VPDES laboratory inspection the inspector actually evaluates the laboratory procedures used by the permittee for discharge monitoring from sample collection and flow measurement through laboratory analyses, data work-up, and DMR reporting.

The purpose of this inspection is to determine whether the facility's self-monitoring procedures are satisfactory, such that representative results can be expected to be reported from the facility's laboratory. The laboratory inspections are generally performed by the VWCB's Regional Offices on those laboratories that conduct analyses of conventional type parameters. Where nutrients or toxics are involved, then the Headquarters Office assists in performing this inspection. This part of the laboratory inspection program is still being developed and additional staff training will be needed before it is completely implemented.

The VPDES laboratory inspection is reported on the SWCB Laboratory Inspection Report form, and these reports are completed within 30 calendar days of the inspection. Laboratories are evaluated by satisfactory or unsatisfactory ratings with appropriate corrective action noted for those facilities that receive unsatisfactory evaluations.

The frequency of laboratory inspections is dependent upon the classification of the facility as noted in the attached Table. The VPDES technical inspection includes a cursory evaluation of the laboratory procedures which adequately addresses the small facilities since their permit monitoring requirements are minimal. VPDES laboratory inspections are normally performed on the same day as the technical inspections.

c. VPDES Sampling Inspection

The VWCB performs two types of sampling inspections, (1) a cursory inspection usually involving the collection of a grab or composite sample and (2) an enforcement (legal) survey of sufficient duration to evaluate the data reported by the discharger for permit limit compliance. Most sampling inspections are of the cursory type, grabs and 24-hour composites, and there may be no direct comparisons of the results of these samples to the permitted limitations as far as enforcement actions are concerned. However, the data obtained as a result of sampling inspections are used to assist in evaluating the acceptability of the permittee's self-monitoring data and in determining if there is potential non-compliance with the permitted effluent limitations.

The results of the sampling survey inspections are documented on the VWCB VPDES Sampling Inspection Report form. These reports are to be completed within 30 calendar days of Regional Office receipt of the laboratory analysis.

Sampling inspections are conducted on an optional basis. The Regional Office may elect to schedule the collection of a sample at the same time as the VPDES technical inspection or they may elect to let the inspector make the decision to collect the sample during the time that a technical, laboratory or compliance inspection is being performed. This strategy will provide the Regional Office the flexibility to make a decision as to the desirability or the need to collect a sample on-site during an inspection or to forgo sample collection completely.

2. Compliance Inspections

This inspection is an evaluation of the wastewater and/or sludge facility which is generally conducted as a result of significant violations of a Board-issued permit, Board Regulations, previous enforcement action, or State/Federal statutes and accompanies the issuance/delivery of a VWCB Notice of Violation (NOV). Documentation of this type of inspection is done on the Compliance Inspection Report Form. The purpose of this inspection is to focus attention on the cause(s) of violations, determine whether correction of previous deficiencies has been accomplished, and to note violations found during the inspection. Copies of the report are sent to the VWCB Office of Enforcement Compliance Auditor and the actual numbers of compliance inspections completed are given to the VWCB Office of Water Resources Management.

3. VPA/NDC Inspections

This inspection involves on-site evaluations of facilities designed not to discharge to surface waters and involves (a) animal feeding operations, (b) land application of sludge, and (c) other VPA/NDC facility inspections.

a. Animal Feeding Operations Inspection

This inspection involves an evaluation of animal feeding operations, including both feedlot and waste treatment/handling facilities, with regard to the construction, operation and maintenance of the facility. Animal feeding operation inspections may be initiated as a periodic inspection or be in response to a pollution complaint. The inspection is documented on the Animal Feeding Operation Form.

b. Land Application of Sludge

This inspection involves on-site observation of sludge land application sites in order to assist in verifying compliance with permitted requirements. The inspection may be initiated as a periodic inspection or in response to a pollution complaint. The inspection of a sludge land application site is documented on the form entitled: Land Application of SLUDGE.

c. Other VPA/NDC Inspections

Other VPA/NDC inspections encompass a wide variety of diverse operations from wood-preserving plants to industrial facilities that land apply their wastewater. Since these facilities are specific in their design and operation there are no standard reporting forms. However, these inspections must be documented by memoranda that set forth the date and purpose of the inspection, findings during the inspection, comments, and recommendations.

4. Other Inspections

The VWCB performs other types of inspections designed to assist the permittees, to investigate complaints, and to follow-up on previous inspections.

a. Assistance/Complaint/Reinspection Inspections

This is a specific inspection scheduled either (1) as a result of a request by the owner or operator for assistance, (2) as a result of a complaint about the facility, or (3) as a result of substantial deficiencies from a previous inspection. Documentation of this type of inspection is flexible. Typically, the inspector would complete pages 1, 5, and 6 of Part I of the VDH-VWCB Wastewater Facility Inspection Report and may include the individual unit process evaluation forms that relate to the assistance, complaint, or deficiencies from the previous inspection.

b. Diagnostic Evaluations

Diagnostic Evaluations involve an intensive evaluation of all aspects of the treatment facility and is the longest and most rigorous of all inspections. These evaluations are performed by the Headquarters Office with assistance from the

Regional Offices. Identification and scheduling of facilities which would benefit from this evaluation is achieved through prioritizing facilities according to established criteria and focuses primarily on smaller POTW's that are out of compliance with their permit requirements. The purpose of the Diagnostic Evaluation can be either to assist those POTW's without self-diagnostic capability or to evaluate causes for non-compliance in support of enforcement actions. A comprehensive report of on-site activities, computer diagnostic model results, and the conclusions drawn is prepared. In addition, a corrective action plan, addressing the factors affecting performance, is prepared for the facility. This corrective action plan becomes the guide for the provision of on-site training and/or assistance at the facility.

VI. Inspection Frequency

The minimum frequency goals for the VWCB to perform VPDES Permit Inspections (Technical and Laboratory), VPA Permit/NOC Inspections and Commercial Laboratory Inspections are presented on the attached Table. The other inspections discussed in this Strategy are conducted on an as-needed basis.

VII. Inspection Scheduling

The VPDES (Technical and Laboratory) inspections must be scheduled in advance on a yearly basis and should conform to the minimum goals set forth in Section VI. Schedules must be finalized by June 30 of each year for the next fiscal year. The scheduling of VPDES Technical Inspections for municipal and industrial sewage facilities must be coordinated with the VDH and should conform to the requirements set forth in the Memorandum of Understanding entered into in July, 1985. All other inspections do not need to be scheduled in advance.

VIII. Inspection Reporting

With the exception of the Compliance Inspection Report, all inspection reports, two copies of major and one copy of Part I, pages 1, 5, and 6, of the minors and smalls, should be copied to VWCB-Office of Water Resources Management. Reports are copied to the facility inspected and to the VDH Regional and Headquarters Offices for municipal facilities. In addition, the reports are also copied to VWCB-OECA, as appropriate. OWRM will send one copy of all major VPDES and Federal facility permit inspection reports to EPA along with the inspection schedules (showing both projected and completed inspections) on, at least, a quarterly basis.

TABLE

INSPECTION FREQUENCY

Inspection Type	Frequency		
	Annually	Biennially	Other
VPDES Permit Inspections (Technical and Laboratory)			
Municipal			
Major (≥1.0 MGD)	X		
Minor (≥0.04 MGD <1.0MGD)		X	
Small (>0.001 MGD <0.04 MGD)			Once/5 yrs
Industrial			
Major (VWCB/EPA Major list)	X		
Minor (Not Major or small)		X	
Small*			Once/5 yrs
VPA Permit/NDC Inspections			
High Priority**	X		
Low Priority***			Once/5 yrs
Commercial Laboratory Inspections	X		

*Small is considered to be an industrial facility with low environmental impact potential such as discharges of non-contact cooling water, sand and gravel operations, car washes, etc..

**High priority is assigned to facilities with high environmental impact potential or high public concern and includes animal feeding operations with greater than 300 animal units, wood preserving operations, sludge disposal activities, and other facilities so classified by the Regional Offices. Inspections of sludge disposal permitted facilities includes, as a minimum, an inspection of the storage facilities and at least one land application site per permitted facility per year.

***Low priority is assigned to all other permitted facilities not considered as high priority.

ATTACHMENT 2

COMPLIANCE AUDITING PROCEDURES

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- o OERS
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Section 5 Notice of Violation

Section 6 Compliance Inspection

Section 7 Monthly Enforcement Meetings

Section 8 Appendices

Appendix #1 - Toxic vs. Non Toxic Parameter List

Appendix #2 - Major Discharger List

procedur/master/c/p

1. SUMMARY

The State Water Control Board's enforcement system has been expanded to provide improved response agencywide to non-compliance by owners and operators with State Water Pollution Control laws, regulation and policies. The new program was implemented July 1, 1987, and is designed to achieve timely and consistent enforcement actions against all violators. The new enforcement process catalogues different violations by subjecting them to point assessment criteria. The point assessment criteria will be uniformly applied with higher values given to violations of greater environmental consequence. Chronic violations will also receive higher point assessments.

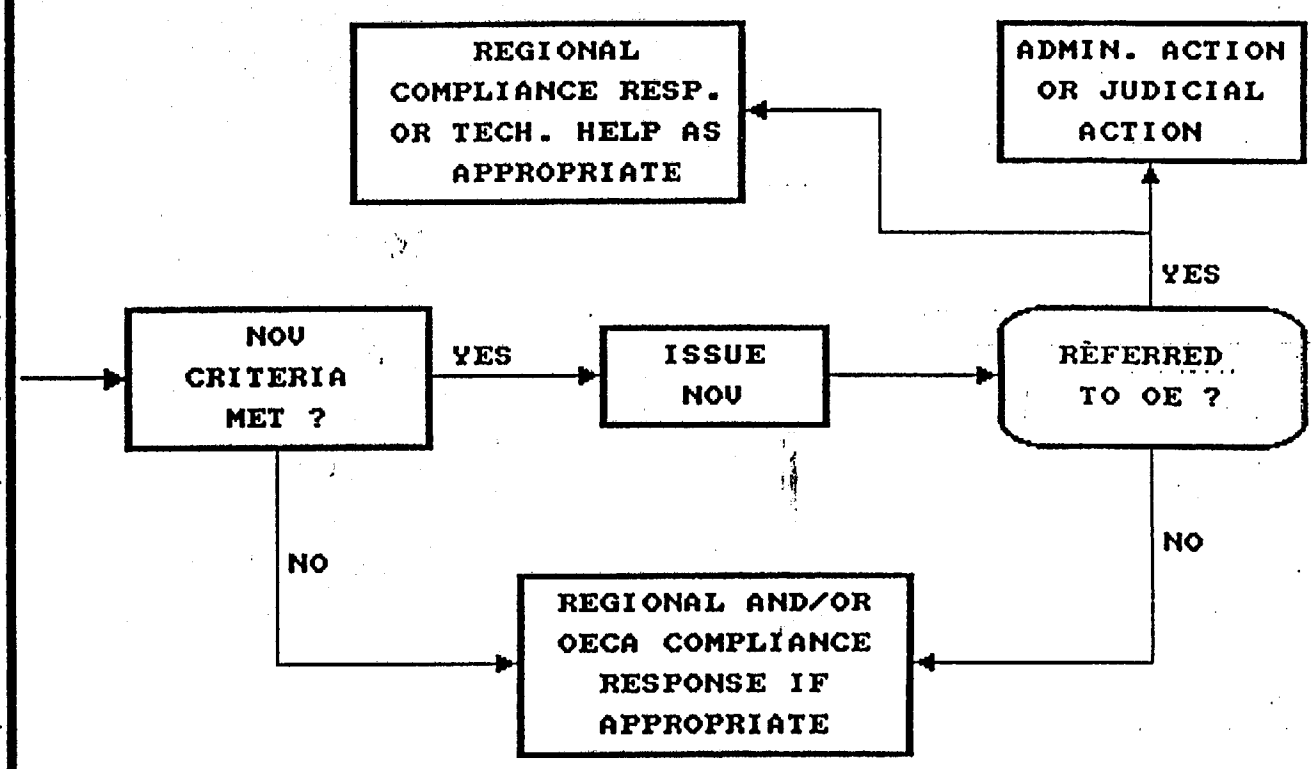
In recognition of the fact that the new enforcement system will likely bring more violations to the threshold of formal administrative or judicial enforcement action, a new enforcement mechanism, the issuance of a Notice of Violation (NOV), is being incorporated into the process. This action is essentially a warning device which informs the violator of noncompliance problems and requires action to correct the violations to avoid a potentially higher level of enforcement action which could include court action and penalties. NOVs issued are hand delivered to the owner and a compliance inspection is conducted by SWCB staff.

compaudi/master/c/p

ENFORCEMENT OVERVIEW CHART

VIOLATIONS

1. DMR (EFFLUENT)
2. INSPECTION
3. NO-DISCH. CERT.
4. UNPERMITTED DISCHARGE
5. SPILLS
6. DMR REPORTING
7. OTHER NPDES
   A. APPLICATION
   B. TOXICS (TRE, TMP)
   C. PRETREATMENT
8. OTHER SWCL/REGS
9. EXIST. ENF. ACT.



2. Compliance Auditing System Overview

Each violation of enforceable documents, state laws, and state regulations may receive points or fractions of points which will be accumulated over a six-month period. Points obtained in the first month of any six-month period shall be deleted at the beginning of the next month following that six-month period.

Those violators which accumulate less than one point shall be evaluated by the RO and appropriate RO compliance action shall be taken. The purpose of this activity is to correct minor non compliance prior to the assessment of the first level of enforcement action, the issuance of a NOV.

Those violators which accumulate at least one point during any six-month period shall receive a NOV which the RO shall deliver in a timely manner to the operator of the violating facility, with a copy sent to the owner. Additional NOVs shall be issued for each additional violation point accumulated during the same six-month period. The RO inspectors shall deliver the NOV and conduct a Compliance Inspection (CI) to determine or verify the cause of the reported violation(s) and ascertain if there are other violations. The RO shall investigate, inspect, and conduct appropriate compliance actions for all violators that receive one or more points.

All violators/violations which receive four or more points in a six-month period shall be referred to the enforcement section in HQ for appropriate action. The enforcement section may undertake informal or preliminary action in conjunction with the RO. The usual enforcement section response would be to initiate the preparation of a formal administrative or judicial enforcement action for approval by the Executive Director or the Board.

The accompanying chart shows the general process under which the enforcement system is implemented.

3. POINT ASSESSMENT CRITERIA

July 5, 1989

PERMIT VIOLATIONS	POINTS ASSESSED
PERMIT EFFLUENT LIMITS	
Toxic Parameters (Incl. Cl_2, but not Cl_2 Except. or cont. tank min.)	
Value = or > 1.2 x Limit	
Major	2
Minor	1
Value < 1.2 x Limit	
Major	.5, .5, 1, 2
Minor	.2, .2, .5, 1
Nontoxic Parameters	
Value = or > 1.4 x Limit	
Major	2
Minor	1
Value < 1.4 x Limit	
Major	.5, .5, 1, 2
Minor	.2, .2, .5, 1
D.O., pH, Temp., Cl_2 Except., & Cl_2 cont. tank mfn. (Major and Minor)	
Value < or = 0.8 x Min. Limit	.5, .5, 1, 2
Value > or = 1.2 x Max. Limit	.5, .5, 1, 2
Value < 1.2 x Max. Limit	.2, .2, .5, 1
Value > 0.8 x Min. Limit	.2, .2, .5, 1

OTHER PERMIT VIOLATIONS

Compliance Schedule 1
(Major and Minor)
(30 days overdue and each month thereafter)

Late DMR (Major and Minor) .2, .2, .5, 1
(Received after 10th of month)

No DMR (Not received in month due)
Deficient DMR (Omissions or errors so great as to prohibit a determination of compliance)

Major	2
Minor	1

Unreported Parameter
(Maximum points per DMR)
(Normally less than 25 per cent of required values missing)

Major	1
Minor	.5

Bypasses Disch. Through Perm. Outfall
(Points assessed per discharge, per day, but not assessed if bypass approved by Executive Director)

Unreported	.5, .5, 1, 2
Reported	.2, .2, .5, 1

Improper DMR .2
(Major and Minor) (.2 = total points per DMR to be assessed regardless of # of improper DMR items)

LISTING OF IMPROPER DMR VIOLATIONS

No signature/no date/no telephone number
Number(s) and/or decimal point illegible.
Typographical or data entry error.
DMR submitted on outdated form.
Monitoring period not entered.
Sample Type or Sample Frequency not complete or incorrect.
Letter of Explanation for violations not received.
Letter of Explanation for violations not adequate.
Required parameter not reported when there is no limit for the parameter. (Includes flow)

Toxics Violations
(Major and Minor)

Failure to Report Under TMP	1
Inadequate Reporting Under TMP	.5, .5, 1, 2
Failure to Submit TRE Plan w/in 120 Days of Notification	1
Failure to Resubmit Approvable, Corrected TRE Plan w/in 45 days of notification of Deficiencies	1

Minor VPDES Violations
(Other Than Any of Above)

Violation W/O Adv. Env. Impact	.2
Failure to Correct Minor No-Impact Violation (Each Inspection)	1.0

(Examples: Failure to submit O/M Manual; Failure to Operate in Accordance With O/M Manual)

Violation of VPA Permit

Adverse Environmental Impact	4
Potential Adv. Env. Impact	2
Violation W/O Adverse Env. Impact and Causes Disch. to State Waters	1
Violation W/O Adverse Env. Impact and No Disch. to State Waters	.2
Failure to Correct a No-Impact Violation (Each Inspection)	1

The Regional Offices or OERS will determine the presence and extent of any adverse environmental impact. Other violations of VPA Certificates involve monitoring and reporting deficiencies and/or violations of certificate conditions. For VPA facilities which are required to submit monitoring reports, tracking and reported violations will be assessed according to guidelines specified for VPDES permit violations insofar as possible. Tracking of VPA reports is necessary to determine potential environmental impact and subsequent remedial and enforcement action

UNSATISFACTORY LAB. INSPECTION
(Major and Minor)

Overall Unsatisfactory Rating	1
Failure to Correct on 1st Reinsp.	1
Failure to Correct on 2nd Reinsp.	2
Overall Unsatisfactory Rating With Evidence of Falsification	4

[To Be Implemented For Any Inspections or Reinspections Occurring After February 1, 1989)

VPDES APPLICATION PROCESS
(Major/Minor/No Permit)

Failure to (Re)Apply in Timely Manner (1st NOV as Soon as Late)	1, 1, 2
Improper or Incomplete (Re)Application (1st NOV If Not Complete One Month After Date Of Written Determination)	1, 1, 2
Const./Mod. of Facilities w/o Appln. (New or Existing)	.5, .5, 1, 2

VPA APPLICATION PROCESS

Failure to Submit Complete Application

30 Days After Notification	.5
4 Months After Notification	.5
5 Months After Notification	1
6 Months After Notification	2

Const./Mod. of Facilities w/o Appln. (New or Existing)	.5, .5, 1, 2

ENFORCEMENT ACTION VIOLATIONS

JUDICIAL ACTIONS
(Major and Minor)

ALL VIOLATIONS	4

ADMINISTRATIVE ACTIONS

Compliance Schedule - High Conseq. (30 days overdue) (Start Const., End Const., Attain Final Compliance)	4
Compliance Schedule - Low Conseq. (30 Days Overdue, and Each Month Thereafter)(All Milestones Other Than High Consequence)	1
Other Violations (i.e., Progress Reports)	.5, .5, 1, 2,

ADM. ACTION EFFLUENT LIMITS LESS STRINGENT THAN PERMIT

Major	4
Minor	2

ADM. ACTION EFFLUENT LIMITS EQUAL TO PERMIT

Toxic Parameters (Incl. Cl_2, but not Cl_2 Except. or cont. tank min.)

Value = or > 1.2 x Limit

Major	2
Minor	1

Value < 1.2 x Limit

Major	.5, .5, 1, 2
Minor	.2, .2, .5, 1

Nontoxic Parameters

Value = or > 1.4 x Limit

Major	2
Minor	1

Value < 1.4 x Limit

Major	.5, .5, 1, 2
Minor	.2, .2, .5, 1

D.O., pH, Temp., Cl_2 Except., & Cl_2 cont. tank mfn. (Major and Minor)	
Value < or = 0.8 x Min Limit	.5, .5, 1, 2
Value > or = 1.2 x Max. Limit	.5, .5, 1, 2
Value < 1.2 x Max. Limit	.2, .2, .5, 1
Value > 0.8 x Min. Limit	.2, .2, .5, 1

OTHER VIOLATIONS OF LAWS/REGULATIONS

PRETREATMENT VIOLATIONS

(Same points for permit and enforcement action violations except as noted.)

Failure to submit IW Survey (each month late)	1
Failure to establish enforceable legal authority, i.e. enforcement ordinance or other legal mechanism (each month late)	1
Failure to submit approvable program:	
Requirement in Permit:	1, 1, 2
Requirement in Enforcement Order	4
Failure to have approved program in operation	1, 1, 2
Failure to submit reports (1st point 1 month after due date)	1, 1, 2
Improper reporting (failure to submit proper report within 30 days after notification by SWCB, and each month after)	1
SIU not under permit (upon discovery, and each month not permitted thereafter, each SIU)	1
Audit deficiencies (PPET requirements) from annual report/annual audit, if not corrected within 30 days (each item each month)	1

Failure to enforce pretreatment program (each month)	1
SPILLS INTO STATE WATERS DISCHARGE NOT AUTHORIZED BY PERMIT	
Adverse Environmental Impact	4
Potential Adv. Env. Impact	2
No Adverse Env. Impact	
Not Reported:	1
Reported:	.5
(Points Assigned for Each Day of Discharge)	
IMPROPER SLUDGE DISPOSAL (VPDES/VPA, Each Occurrence)	1
FALSIFICATION *	4
WILLFUL VIOLATION *	4
VIOLATION DUE TO GROSS NEGLIGENCE *	4
ANY VIOLATION/DISCHARGE CAUSING:	
Adverse Environmental Impact *	4
Potential Adverse Env. Impact	2
FAILURE TO REPORT DISCHARGE OF OIL THAT REACHES, OR THAT MAY REASONABLY BE EXPECTED TO REACH, STATE WATERS	4
REFUSAL TO CLEAN UP SIGNIFICANT SURFACE WATER SPILL/DISCHARGE OR POTENTIAL DISCHARGE (In Response to Written Request From Water Resources Mgr. or Above, As Soon As Overdue)	4

*** Point Assessment and NOV Issuance/OE Referral Upon Concurrence By Compliance Manager or OECA Director**

REFUSAL TO TAKE APPROPRIATE ACTION FOR UNDERGROUND SPILL/DISCHARGE (In Response to Written Request From Water Resources Mgr. or Above, As Soon As Overdue)	1, 1, 2
REFUSAL TO REIMBURSE FOR COLLECTIBLE COST RECOVERY	4
VIOLATIONS OF REGULATIONS AND LAWS NOT STATED ABOVE	Case by Case

RULES FOR POINT ASSESSMENT

1. Graduated Point Scale.

Where multiple point values are shown above (.5, .5, 1, 2) the first value (.5) is assigned for the first violation in a given six-month period, the second value (.5) is assigned for the second violation in the same period, the third value (1) is assigned for the third violation in the same period, etc. This applies only to the same parameter at the same pipe. For schedule milestones and report due dates, each 30-days' overdue results in additional or increased point assessment.

2. Point Limitation for Enforcement Referral

For the purpose of managing point assessments in the enforcement referral process, the following will apply:

Majors - in a given month, the total points that can accrue for a Major facility will be the greater of the highest number of points for a single violation, or two (2) points.

Minors - in a given month, the total points that can accrue for a Minor facility will be the greater of the highest number of points for a single violation, or one (1) point.

Once a total of four (4) points has been reached in a six-month period, referral to the Enforcement Section of OECA will occur.

3. Excusing of Points

Extraordinary Circumstances

Points may be excused by the CA, upon concurrence of the Compliance Manager, for infrequent violations and noncompliance where the permittee/owner has demonstrated

to the satisfaction of the staff that such occurrence or noncompliance was due to an upset as defined by the Board's Permit Regulation (for violations of technology-based limits only), was not due to a lack of proper operation and maintenance, or was caused by earthquake, flood, or other acts of God. Excusing of points for violations caused by other exceptional circumstances alleged to be solely beyond the control of the permittee/owner may additionally require the approval of the Director of Enforcement.

Permit Modification

When a permit is modified to reflect a change in ownership, all accumulated points are automatically voided. However, this voidance of points will not apply if the previous owner has already been referred to OECA or if the modification only reflects a name change or an attempt to hide behind a parent corporation.

Issuance of Enforcement Actions

Once an enforcement action is issued (signed by judge, for court orders, signed by Executive Director for consent orders, special orders and board directives) all accumulated points shall be voided, but the points in existance at that time shall be recorded. Issuance of an emergency special order does not qualify for voidence of points.

Effect of Active Enforcement Action

Where a facility is under enforcement action to eliminate certain violations, and is demonstrating satisfactory progress under the action, points may be excused by the CA, upon concurrence of the Compliance Manager, for the violations which the enforcement action was designed to correct

4. Toxic and Nontoxic Parameters

See Appendix 1 for a list of toxic and nontoxic parameters.

5. Major/Minor Facilities

Municipal Major facility: any municipal treatment facility with flow equal to or greater than 1.0 MGD, and which are redefined yearly by agreement between the Board and EPA.

Municipal Minor facility: any municipal treatment facility with flow less than 1.0 MGD.

Industrial Major facility: Facilities which have been defined as significant on the basis of permitted effluent characteristics and receiving stream quality and which are redefined yearly by agreement between the Board and EPA.

Industrial Minor facility: Facility not on EPA's list of Major Industrial facilities.

See Appendix 2 for a current list of Major Facilities.

6. Facilities Reporting Less Than Monthly

Facilities that are required to submit DMRs less frequently than once per month, but more frequently than once per year, shall be evaluated at the end of each reporting period to determine accumulated violation points. The Graduated point scale will be applied to these DMRs the same as for monthly reports, except on rolling periods consisting of six reports.

DMRs will be reviewed, and data entered by the CA, for facilities reporting only once per year. Points will be assigned for DMR violations, but the graduated point escalation system will not be used. Only the minimum points will be assigned for each violation, but points will also accrue for other violations as appropriate, and Enforcement referral will occur if four points are received in a six-month period.

7. Adverse Environmental Impact

A. Adverse environmental impact, for the purpose of this enforcement system, includes, but is not limited to, the following:

1. fish kill
2. loss of drinking water supply
3. loss of other beneficial uses.

B. Any allegation of adverse environmental impact due to spills, bypasses, unpermitted discharges, and other violations of state law and regulations shall be reported to the CA by the RO or the PReP office with documentation that shall conclude that either there is:

1. a resulting environmental impact
2. a potential environmental impact
3. no environmental impact.

4. Task Assignments

R.O. Staff

1. DMR Processing (See Table I)
2. One copy of letters of explanation to the CA and, if requested, to the OE Rep.
3. Conducts compliance actions (phone calls, RO letters, meetings, inspections, etc.) as deemed appropriate for:
   A. pre NOV violations (<1 point) in an effort to prevent an NOV issuance and
   B. pre OE referral violations (<4 points)
   C. forwards correspondence and/or DMR for improper DMRs to permittees for information and/or correction. (See Table II for NOV/C.I. PROCESS)
4. Provides technical assistance to OE for enforcement case preparation and follow-up.
5. Maintains a separate compliance file by facility in alphabetical order for filing the DMR originals and copies of letters of explanation, NOVs, NOV response letters, inspection reports, and enforcement actions such as:
   A. Consent Decree
   B. Court Order
   C. Consent Order
   D. Special Order
   E. Emergency Special Order
   F. Board Directive
   G. Other (Executive Director Letter requiring certain actions, e.g.).

   This file will be also be maintained by the CAs for the Regions other than the ones in which they are physically located, and copies, not original DMRs, will be filed.

R.O. Inspectors

1. Conducts Compliance Inspection (CI) during the delivery of each NOV (See Table II for NOV/C.I. PROCESS). The CI Report shall document the cause(s) of, and the owner's actions to abate the violation(s) listed on the NOV, and be used in conjunction with other data to assess the permittee's wilfulness or negligence as possible factors in the violations. (See Section VII on Compliance Inspections for additional detail on C.I. process).
2. Attend monthly compliance meeting with CA & OE Reps.
3. Submit to the CA, within one week of the inspection, a copy of any inspection report which documents violations of permits, regulations or the Law. (This requirement is for routine, non-C.I. inspections conducted by the R.O.)

Compliance Auditor

1. DMR Process - see Table I
2. Is responsible for seeing that all data for DMRs and enforcement action compliance schedule and/or interim limit information is entered into the PC.
3. Analyzes compliance record to assign points and determine NOV or enforcement referral status.
4. NOV Process - see Table II.
5. Prepares NOVs in a timely manner and sends all NOVs to the Regional Water Resources Manager for delivery during a CI.
6. The CA may recommend that the C.I. and personal service of the NOV be omitted where:
    1) inspection is impractical due to the nature of the violation and/or
    2) an NOV was previously delivered under the following circumstances:
        a) an inspection was completed recently which covered the violations addressed by the NOV,
        b) the RO knows the status of the problem, as determined by the Regional Director, and
        c) the second and/or third and/or fourth NOV is a result of the previously documented and inspected problem.

    Any such determination must be approved by the Director of OE & CA.
7. Receives and reviews routine inspection reports with violations and assesses further points and issues additional NOVs as needed.
8. Provides RO and OE with list of existing violators and compliance status each month and:
    A. attends, and provides data summaries for:
        1) monthly meetings with RO and OE on enforcement status
        2) compliance schedule information (tracking will begin when the database is appropriately modified and schedules are entered.
    B. provides RO with data summaries as soon as practicable after the 20th of each month.
9. Provides violation summaries for OE for enforcement case preparation.
10. Accompanies inspectors and/or RO personnel on facility inspections as CA schedule allows.
11. Conducts compliance checks for the RO and OWRM.
12. Supervises data entry personnel if utilized for data entry of permit or enforcement action limits, DMRs or compliance schedule information.

OERS

1. Analyzes all TMP and TRE or related toxic data and submittals.
2. Submits to the CA a written summary report of all TMP and violations for point assessment that are not included in the regular DMR report.

RO PReP

1. Analyzes all pollution complaints and spills for an initial assessment of environmental impact.
2. Forwards all appropriate violations as soon as documented to the CA for point assessment (initially only violations resulting in "adverse environmental impact" will be forwarded to the CA, and guidelines will be developed in the future for other violations discovered by PReP). Adverse environmental impact will be considered to be the loss of beneficial uses such as:
   A. fish kills,
   B. loss of the use of drinking water,
   C. loss of other beneficial uses.

3. If a continuing pollution event is discovered that is causing adverse environmental impact, referral to the Enforcement Section should be immediate so that emergency action (Emergency Special Order or Injunction) can be initiated. Issuance and delivery of the NOV and the CI would follow at a later date.

OE - Enforcement Group

1. Maintains file on noncompliant facilities in at least the NOV status.
2. Chairs monthly meetings, in the first week of each month where practicable, with CA & RO on compliance status.
3. Receives and evaluates referral NOVs and recommends appropriate enforcement action.
4. Upon Executive Director approval of the recommended action, prepares enforcement cases with the assistance of the CA and RO staff.
5. Finalizes enforcement actions.
6. Sends copies of enforcement actions to CA & RO.
7. Prepares referral package for AG with assistance from R.O. and CA.
8. Coordinates with AG, RO, and top management on all enforcement matters as appropriate.

OE - Compliance Group

1. With DIS and CA, sets up tracking programs to be used statewide.
2. Troubleshoots system and initiates improvements and/or modification procedures as appropriate.
3. Maintains statewide compliance files and summaries
4. Prepares statewide reports as needed.
5. Sets up and implements random DMR audit programs utilizing compliance auditors and appropriate Regional staff
6. Sets up and implements random audits of Regional compliance actions.

Issues to be determined at a future date

1. Personnel who will enter all permit parameter information and DMR data (violations and non violations) and compliance schedule data for each region into computer system
2. Personnel who will track NPDES permit schedules and when tracking will begin
3. Backup personnel for CA when absent.

ENVIRONMENTAL AUDITING PROGRAM (1)

- Region provides assistance to OE compliance group for random DMR audits, and review of questionable DMRs for
  - A. improper computation of DMRs (CA initial review with RO assistance in detailed analysis) and
  - B. Suspected falsification

- Region conduct compliance inspections at facilities under enforceable schedules (coordinated through RO Inspector Supervisor):
  - A. within 60 days of final compliance date for majors,
  - B. within 90 days of final compliance date for minors,
  - B. as deemed necessary by RO for interim dates,
  - C. As requested by CA or OE to support enforcement cases

- Compliance Auditing group performs random DMR audits with Regional Assistance to ensure:
  - A. violations properly reported,
  - B. point assessment properly computed,
  - C. follow-up action taken by RO, and
  - D. permittee complied with RO and OE action.

ENVIRONMENTAL ASSESSMENT (1)

- When there is a high likelihood of a potential environmental impact the following shall be conducted:
  - A. samples analyzed or
  - B. surveys undertaken or
  - C. bioassays run (to be done by OERS if assays undertaken by SWCB)

(1) These programs are to be further developed and implemented in the future.

TABLE I. DMR PROCESS

ACTION	BASE RO STAFF	SATELLITE RO STAFF	COMPLIANCE AUDITOR
1. Owner submits original DMR & explanatory letter to RO	1. Stamp received & RO makes copies (see 2), originals to R.O. compliance file	1. Stamp received & RO makes copies (see 2), originals to R.O. compliance file	1. -
2. DMR distribution	2. Make two copies of major DMRs and one copy of minor DMR, one copy of any explanatory letter (majors and minors). All copies given to CA by end of each work day.	2. Make three copies of majors and 2 copies of minors (2 copies of majors & 2 copies of minors mailed to C.A.). R.O. mails one copy of majors to EPA. All copies sent to auditor are to be batched DAILY (Always Federal Express all DMRs on hand 5 p.m. on 15th of Month)	2. C.A. upon completion of DMR review sends one copy of all DMRs to DIS. For base Region one copy of majors mailed to EPA.
3. Compliance actions regarding late DMRs	3. R.O. staff solicits DMRs not received by 15th of Month based on CA's list submitted 2 working days after 15th of month.	3. R.O. staff solicits DMRs not received by 15th of Month based on CA's list submitted 2 working days after 15th of month.	3. Prepares and gives or telecopies to WRM by 2 working days after 15th of Month, list of DMRs not received in respective Region by 15th of Month.
4. Point assessment for late DMRs and DMRs not received by end of Month	4a. Immediately hands to CA DMRs received as result of RO compliance actions.	4a. Telecopies to CA DMRs received as result of RO Compliance Action.	4a. Processes late DMRs (received by end of Month) as usual. Computer assigns late DMR Points.
	4b. DMRs received after end of month due stamped Received and only put in Regional Compliance file (except one copy of Majors to CA for sending to EPA)	4b. DMRs received after end of month due stamped Received and only put in Regional Compliance file (except one copy of Majors to CA for sending to EPA)	4b. Manually assigns "No DMR" points for all permittees not reporting by end of Month. Copy of major DMRs from base RO sent to EPA.
5. Unreported permit values and Improper DMRs.	5. R.O. staff attempts to obtain corrected DMR to submit to C.A. by 15th. Corrected original DMR received after 15th of month sent to RO compliance file.	5. R.O. staff attempts to obtain corrected DMR to submit to C.A. by 15th. Corrected original DMR received after 15th of month sent to RO compliance file.	5. Upon DMR review and error detection, CA circles violation, and telecopies copy to RO for corrective action with permittee. CA "suspenses" incorrect DMR until the 15th at which time violation points are assessed if corrected DMR not received.

TABLE II. NOV/CI. PROCESS

COMPLIANCE AUDITOR	WRM	INSPECTOR	C.A. SUPERVISOR	ENF. REP.
1. Fills out NOV 2. Sends NOV to WRM ASAP 3. Keeps C.A. copy of NOV (Suspense File) 4. Receives from RO and reviews original HQ copy of NOV and C.I. report after their execution. Assesses points from C.I. Report if appropriate. Forwards original C.I. Report and NOV to C.A. Supervisor 5. Compiles list of NOV's issued and C.I.s conducted and forwards to C.A. Supervisor. List to be forwarded by 10th of month following NOV issuance.	1. Receives NOV from C.A. 2. Checks NOV for possible errors. 3. Organizes NOV delivery schedules for inspectors. 4. Reviews C.I. Report for accuracy and completeness 5. Forwards original C.I. report and NOV to C.A. within one week of inspection. Has Regional copies of NOV and C.I. filed in Regional Compliance File, and other copies distributed to SWCB staff and other State agencies, as appropriate.	1. Receives NOV for delivery from WRM 2. Contacts owner to arrange delivery and compliance inspection. 3. If owner unavailable, arranges delivery to facility operator or other appropriate plant staff. 4. Has owner or operator sign NOV, conducts compliance inspection. This task to be done by end of month NOV issued. 5. Leaves copy of signed NOV with owner/ operator, or has copy mailed if necessary. Submits signed NOV and C.I. report to WRM for review. 6. If a signed NOV cannot be obtained, NOV is sent to owner by Certififed Mail (Note: NOV does not have to be signed.) 7. Mails copy of C.I. report to owner and facility operator.	1. Receives original NOV and C.I. report. Reviews for accuracy and completeness and forwards to appropriate enforcement rep. 2. Compiles statewide list of NOV's issued and C.I.s conducted and updates each month (from list submittals by C.A.) 3. Has copies of C.I.s sent to EPA Region III.	1. Reviews original NOVs and C.I. reports and files in Enforcement file. 2. Reviews enforcement referral NOVs and recommends appropriate enforcement action.

5. Notice of Violation (NOV)

A. Purpose of NOV:

- o Warning device to inform violator that the SWCB has evidence of violations and that a potential for enforcement action exists if responsible abatement action is not aggressively pursued and a return to compliance achieved.

- o Establishes a documented basis for compliance activity to be undertaken by R.O. staff to help return the violator to compliance as soon as possible.

- o Helps provide a systematic and documented evidentiary path for non-compliance problems should they ultimately lead to enforcement action.

B. Completion and delivery of NOV forms:

- o To be filled out by Compliance Auditor and sent to R.O. for service.

- o To be delivered to owner or responsible official and a site compliance inspection conducted by R.O. inspector.

- o Copies of the "served" NOV are to be provided to the operator, C.A., R.O. and Enforcement section.

NOV/master/c/p

COMMONWEALTH OF VIRGINIA
STATE WATER CONTROL BOARD
2111 NORTH HAMILTON STREET
P.O. Box 11143
RICHMOND, VIRGINIA 23230

NOTICE OF VIOLATION

NOTICE OF VIOLATION NO._____ NPDES PERMIT/NO-DISCH. NO._____

FACILITY/COMPANY NAME_____

RESPONSIBLE OFFICIAL_____ TEL. NO._____

MAILING ADDRESS_____

The evidence available to us indicate that the above facility has violated the State Water Control Law and/or the Board's Regulations as follows:

VIOLATION	DATE	EVIDENCE

☐ No. of Additional Violation Sheets Attached

☐ No. of Previous Notices of Violation Issued in Last Twelve Months.

Each listed violation may constitute a separate offense for which penalties and/or formal enforcement action could be sought. You are responsible for immediately initiating all necessary actions and work to abate any violations. Please advise the _____ Regional Office in writing, within 10 days, of the corrective actions you intend to take to address the violations listed above and, if you believe any of the listed violation(s) to be incorrect or incomplete, of the basis for your position.

☐ **ENFORCEMENT REFERRAL — This Notice of Violation has been referred to the Office of Enforcement and Compliance Auditing, Enforcement Section, for consideration of enforcement action due to:**

a) The severity of the violation(s).....____

b) Continuing pattern of non-compliance.....____

For further information concerning this referral, please contact the Office of Enforcement and Compliance Auditing, 2111 N. Hamilton St. P.O. Box 11143, Richmond, Virginia 23230, Telephone (804) 257-6750.

Date Served_____ **Time Served**_____

Person Served_____ _____

Print Name & Title **Signature**

Compliance Officer **Date** **Compliance Inspector/Region** **Date**

SWCB Form ENF-1 (5-87)

OWNER

6. **Compliance Inspections (CI)**

A. Purpose of CI:

- o More frequent board "presence" at violating facilities provides some measure of deterrence.
- o Document violations (from NOV) to verify the violations that have been determined and provide evidence for any future enforcement action.
- o Cursory inspection of facility provides basic information on the general condition of the facility. (Note any detected discrepancies.)

B. Completion of the CI form:

- o To be completed by R.O. inspector and sent to C.A. and Enforcement section.
- o Copies should be sent to other appropriate SWCB units, other State agencies (as needed) and the owner.

C. Procedures for filling out the form by section:

- o Header information - "Reviewed by" line is at R.O. discretion - probably inspection team supervisor or the Grade 13.

  "Present at Inspection" - should include names and titles of those present at inspection. Since the NOV is to be delivered at the same time as the inspection, the owner or responsible official should be present at the inspection where possible. If this contact is not feasible the NOV may be served on the operator with the original mailed to the owner.

- o NOV violations - list violations from NOV and if cause of non-compliance is known or obvious to the inspector, please so list. If cause is offered by facility operator - list and identify who made the determination from the violating facility. List any corrective actions that may have been taken.
- o Operational unit review - depending on the type of facility being inspected, conduct a cursory evaluation of the important treatment elements at the site - describe the condition of these units.
- o Other observed problems - discrepancies <u>that are not violations</u> per se should be listed here if not previously mentioned on page 1 in the NOV violation section or operational unit review.

- o Field tests - pH, D.O. and Cl should be run on the effluent and reported.

- o Inspection violations - violations noted from field tests or other observations should be checked off at the appropriate box and elaborated on in the section below.

- o Effluent/receiving stream condition - This area should be checked and unusual conditions reported. Samples and/or photographs should be obtained if violations are noted and serious environmental problems observed. For unusual discharge sample above and below the discharge and the effluent.

D. Equipment needed for C.I.s

- o Field test kits (pH, D.O., Cl)

- o Camera and film

- o Full sample taking capability - i.e. for "legal sampling"

E. Timing of inspections and reports:

- o Compliance Inspectors are to be conducted by the end of the first week of the month following the NOV referral to the R.O.

- o The C.I. reports are to be completed and distributed within one week of the inspection.

NOV/master/c/p

COMMONWEALTH of VIRGINIA
STATE WATER CONTROL BOARD
2111 NORTH HAMILTON STREET
P.O. Box 11143
RICHMOND, VIRGINIA 23230

COMPLIANCE INSPECTION REPORT

FACILITY NAME _____

PERMIT NUMBER _____ Inspector _____ Date _____

NOV NUMBER _____ Reviewed by _____ Date _____

PRESENT AT INSPECTION _____

NOV VIOLATIONS	CAUSE OF NONCOMPLIANCE	CORRECTIVE ACTION TAKEN

OPERATIONAL UNIT REVIEW:

UNIT	CONDITION OF UNIT

Permit No. _____

OTHER OBSERVED PROBLEMS:

FIELD TESTS - EFFLUENT: D.O. _____ mg/l; pH _____; RES. Cl _____ mg/l;

INSPECTION VIOLATIONS:

- ☐ Illegal Discharge
- ☐ Chlorine Residual Violation (Effluent)
- ☐ D.O. Violation (Effluent)
- ☐ pH Violation (Effluent)
- ☐ Sludge Disposal Violations
- ☐ Other (Specify below)

Description of Violation(s) noted above: _____

Outfall/Receiving Water Condition (note any unusual observations):

SAMPLES TAKEN? ☐ YES ☐ NO

PHOTOGRAPHS TAKEN? ☐ YES ☐ NO

Copies:

- ☐ Regional Office
- ☐ Compliance Auditor
- ☐ OERS
- ☐ Office of Enforcement
- ☐ State Dept. of Health
- ☐ Owner
- ☐ OWRM
- ☐ Others _____

7. MONTHLY ENFORCEMENT MEETING PROCESS

The enforcement representative shall conduct a monthly enforcement meeting at each regional office at which time the CA shall present to the ER and the RO a written report or computer printout identifying:

1. All written actions taken by the CA,
2. All permittees and violators receiving violation points,
3. All permittees receiving NOVs,
4. Other enforceable documents with due dates, beginning with the initial submission by the RO and the enforcement section of the documents to be tracked, and
5. All other violations as reported to the CA by SWCB personnel with accompanying written documentation (including environmental impact assessment where appropiate).

The enforcement meeting shall be chaired by the ER and attended by the CA and, at a minimum, the facility contact person or investigator for each facility/violation to be discussed. Where needed the RO inspector should be present. (RO to determine)

The ER and RO shall together determine the appropiate compliance and/or enforcement responses. The ER shall be responsible for coordinating a summary meeting report detailing conclusions, actions, and future tasks or actions required by all individuals and/or organizational units for those violations where at least an NOV has been issued. It is the RO's responsibility to track and complete compliance actions on pre-NOV violations.

The RO, primarily through the facility contact person, may arrange meetings with permittees and violators as deemed appropiate. The ER shall be promply advised of those meetings and may attend if appropriate.

8. APPENDICES

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS(1)
72108	% OF TIME EXCEEDING PH LIMITS	17	
39337	A-BHC-ALPHA	11	2
34361	A-ENDOSULFAN-ALPHA	11	2
77856	ABIETIC ACID WHOLE WATER UG	07	2
34205	ACENAPHTHENE	07	2
34208	ACENAPHTHENE,SED UG/KG DRY WGT	07	2
34200	ACENAPHTHYLENE	07	2
00697	ACETIC ACID	07	2
81552	ACETONE	07	2
79539	ACETONE IN WASTE	07	2
81553	ACETOPHENONE	07	2
32020	ACID COMPOUNDS	07	2
82206	ACIDITY	13	1
00437	ACIDITY, CO2 PHENOL (AS CACO3)	06	1
00436	ACIDITY, MINERAL METHYL ORANGE, AS CACO3	06	1
00435	ACIDITY, TOTAL (AS CACO3)	06	1
00700	ACIDS,TOTAL VOLATILE (AS ACETIC ACID)	07	2
34210	ACROLEIN	11	2
32252	ACRYLIC POLYMER IN DRILLING FLUIDS	07	
34215	ACRYLONITRILE	07	2
TB1CA	ACUTE LC 50 FTHD MINNOW FL-THRU DEFN		2
TA1CA	ACUTE LC 50 FTHD MINNOW STATIC DEFN		2
TB1AA	ACUTE LC 50 MYCD SHRIMP FL-THRU DEFN		2
TA1AA	ACUTE LC 50 MYCD SHRIMP STATIC DEFN		2
TB1BA	ACUTE LC 50 SHEE MINNOW FL-THRU DEFN		2
TA1BA	ACUTE LC 50 SHEE MINNOW STATIC DEFN		2
39053	ALDICARB	11	2
39330	ALDRIN	11	2
78216	ALDRIN + DIELDRIN	11	2
01325	ALGAE, FLOATING MATS(SEVERITY)	13	
60050	ALGAE, TOTAL (CELLS/ML)	03	
82215	ALGAL, BIOMASS PERCENT	03	
74051	ALGICIDES, GENERAL	01	1
00425	ALKALINITY, BICARBO-NATE (MG/L AS CACO3)	06	1
00430	ALKALINITY, CARBO- NATE (MG/L AS C	06	1
00415	ALKALINITY, PHENOL- PHTHALINE METHOD	06	1
00410	ALKALINITY, TOTAL (AS CACO3)	06	1
45130	ALKYL BENZENE SULFONATED (ABS	07	2
80000	ALPHA ACTIVITY PICOCURIES/MG	14	2
00149	ALPHA EMITTING RADI-UM ISOTOPES, DISSOL.	14	2
80029	ALPHA GROSS RADIOACTIVITY	14	2
80045	ALPHA, GROSS PARTICULE ACTIVTY	14	
01501	ALPHA, TOTAL	14	2
01502	ALPHA, TOTAL, COUNTING ERROR	14	2
01251	ALUMINUM	08	1
32253	ALUMINUM STEARATE WAT SOL IN DRIL	07	
82392	ALUMINUM SULFATE	06	1
01106	ALUMINUM, DISSOLVED (AS AL)	08	1
01109	ALUMINUM, IONIC	08	1
01105	ALUMINUM, TOTAL (AS AL)	08	1

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
82056	ALUMINUM, TOTAL KG/BATCH	08	1
82051	AMIBEN (CHLORAMBEN)	11	2
78146	AMINOTROL - METHYLENE PHOSPHATE	07	2
61574	AMMONIA (AS N) + UNIONIZED AMMON	09	1
82230	AMMONIA & AMMONIUM- TOTAL	06	1
00619	AMMONIA, UNIONIZED	07	1
77089	ANILINE WHOLE WATER, UG	07	2
34220	ANTHRACENE	07	2
01095	ANTIMONY, DISSOLVED (AS SB)	08	2
01097	ANTIMONY, TOTAL (AS SB)	08	2
01284	APPLICATION DAILY SPRAY IRRIGATION	13	
01285	APPLICATION MONTHLY SPRAY IRRIGATION	13	
01286	APPLICATION PERIOD SPRAY IRRIGATION	17	
01287	APPLICATION WEEKLY SPRAY IRRIGATION	17	
84107	AREA INSPECTION VISUAL	13	
82223	AREA OF DISPOSAL- USED	17	
01252	ARSENIC	08	2
01000	ARSENIC, DISSOLVED (AS AS)	08	2
01002	ARSENIC, TOTAL (AS AS)	08	2
00978	ARSENIC, TOTAL RECOVERABLE	08	2
00948	ASBESTOS	06	2
34225	ASBESTOS (FIBROUS)	06	2
39033	ATRAZINE	11	2
00959	ATTAPULGITE IN DRILLING FLUIDS	06	
77625	AZOBENZENE	07	2
39338	B-BHC-BETA	11	2
34356	B-ENDOSULFAN-BETA	11	2
39002	BALAN (BENEFIN)	11	2
81394	BALLAST WATER FLOW	05	
00960	BARITE IN DRILLING FLUIDS	06	
01005	BARIUM, DISSOLVED (AS BA)	08	2
01007	BARIUM, TOTAL (AS BA)	08	2
00563	BAROID NOS. 2,4,5,6 IMCO NO. 1,2,3,6 GPD	07	
00562	BAROID NOS. 3,7 GPD	07	
32015	BASE/NEUTRAL COMPOUNDS	07	2
01302	BAYER 73 LAMPREYCIDEIN WATER, MG/L	07	2
38710	BENTAZON, TOTAL	11	2
00961	BENTONITE IN DRILLING FLUIDS	06	
34030	BENZENE	07	2
82183	BENZENE HEXACHLORIDE	11	2
39120	BENZIDINE	07	2
77247	BENZIOC ACIDS-TOTAL	07	2
45364	BENZISOTHIAZOLE	07	2
34526	BENZO(A)ANTHRACENE	07	2
34247	BENZO(A)PYRENE	07	2
34230	BENZO(B)FLUORANTHENE (3,4-BENZO)	07	2
34521	BENZO(GHI)PERYLENE	07	2
34242	BENZO(K)FLUORANTHENE	07	2
32251	BENZOFURAN	07	2
00998	BERYLIUM	08	2

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
01010	BERYLLIUM, DISSOLVED (AS BE)	08	2
01012	BERYLLIUM, TOTAL (AS BE)	08	2
03501	BETA, TOTAL	14	2
03502	BETA, TOTAL, COUNTING ERROR	14	2
82197	BETASAN(N-2-MERCAPTOETHYLBENZENESULFAMID	11	2
00440	BICARBONATE ION- (AS HCO3)	06	1
00320	BIO OXYGEN DEMAND (MG/L ULT 1ST S	10	1
00321	BIO OXYGEN DEMAND (MG/L ULT 2ND S	10	1
00311	BIO OXYGEN DEMAND DSLVD - 5 DAY (	10	1
85002	BIO OXYGEN DEMAND-5 (#/YEAR)	15	1
61400	BIOASSAY (24 HR.)	03	2
61401	BIOASSAY (48 HR.)	03	2
61402	BIOASSAY (96 HR.)	03	2
01289	BIOCIDES	17	1
00570	BIOMASS, PLANKTON (ML/L)	03	
34268	BIS (CHLOROMETHYL) ETHER	07	2
78147	BIS (TRICHLOROMETHYL) SULFONE	07	2
34283	BIS (2-CHLORO- ISOPROPYL) ETHE	07	2
34278	BIS (2-CHLOROETHOXY) METHANE	07	2
34273	BIS (2-CHLOROETHYL) ETHER	07	2
39100	BIS (2-ETHYLHEXYL) PHTHALATE	07	2
77763	BIS -- PHENOL-A (ALPHA)	07	2
00190	BIS ETHER, UG/L	07	2
01017	BISMUTH, TOTAL (AS BI)	08	2
81651	BISPHENOL-A	07	2
82424	BOD % OVER INFLUENT	10	1
00319	BOD (MG/L ULT. ALL STAGES)	10	1
00352	BOD 35-DAY-20 DEG C	04	1
82236	BOD-5 LB/CU FT PROCESS	10	1
80126	BOD, CARBONACEOUS 5 DAY,5 C	10	1
80082	BOD, CARBONACEOUS 05 DAY, 20C	10	1
80087	BOD, CARBONACEOUS 20 DAY, 20C	10	1
50076	BOD, PERCENT REMOVAL(TOTAL)	10	1
00324	BOD, 20-DAY (20 DEG. C)	10	1
81385	BOD, 20-DAY, PERCENT REMOVAL	10	1
80276	BOD, 28-DAY (20 DEG. C)	10	1
00310	BOD, 5-DAY (20 DEG. C)	10	1
00318	BOD, 5-DAY KG/1000 GALLONS	10	1
81010	BOD, 5-DAY PERCENT REMOVAL	10	1
47024	BOD,5-DAY,20C LB/DAY/CFS OF STREAMFLOW	10	1
00140	BOD,5DAY,20C LB PER TON OF PRODUCTION	10	1
00698	BORIC ACID, MG/L	07	2
01020	BORON, DISSOLVED (AS B)	08	2
01022	BORON, TOTAL (AS B)	08	2
82057	BORON, TOTAL KG/BATCH	08	1
82198	BROMACIL (HYVAR)	11	2
71870	BROMIDE (AS BR)	06	1
71872	BROMINE CHLORIDE	06	1
71871	BROMINE REPORTED AS THE ELEMENT	06	1
32104	BROMOFORM	07	2

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TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
81561	BUTHDIENE TOTAL	07	2
34292	BUTYL BENZYL PHTHALATE	07	2
81410	BUTYLATE (SUTAN)	11	2
80999	BYPASS OF TREATMENT HOURS/MONTH	17	
80998	BYPASS OF TREATMENT OCCURRENCES/MO	17	
01253	CADMIUM	08	2
01113	CADMIUM TOTAL RECOVERAB	08	2
61527	CADMIUM SLUDGE SOLID (MG/KG)	08	2
61528	CADMIUM SLUDGE TOTAL (MG/L)	08	2
01025	CADMIUM, DISSOLVED (AS CD)	08	2
01027	CADMIUM, TOTAL (AS CD)	08	2
00915	CALCIUM, DISSOLVED (AS CA)	08	1
01293	CALCIUM, PCT EXCHANGE	08	1
01294	CALCIUM, PCT IN WATER, (PCT)	08	1
00916	CALCIUM, TOTAL (AS CA)	08	1
39640	CAPTAN	11	2
78168	CARBAMATES	07	2
77700	CARBARYL TOTAL	11	2
81405	CARBOFURAN	11	2
00405	CARBON DIOXIDE (MG/L AS CO2)	06	1
77041	CARBON DISULFIDE	06	1
32102	CARBON TETRACHLORIDE	07	2
32005	CARBON, CHLOROFORM EXTRACTABLES	07	2
00681	CARBON, DISSOLVED ORGANIC (AS C)	07	2
00690	CARBON, TOTAL (AS C)	06	1
00685	CARBON, TOTAL INORGANIC (AS C)	06	1
81383	CARBONACEOUS OXYGEN DEMAND, % REMOVAL	10	1
00445	CARBONATE ION- (AS CO3)	06	1
74024	CAUSTIC IN DRILLING FLUIDS	13	
80279	CBOD5 / NH3-N	03	1
32254	CELLULOSE POLYMER IN DRILLING FLUIDS	07	
28801	CERIUM, TOTAL	14	2
01117	CESIUM,TOTAL (AS CS)	08	2
00335	CHEM. OXYGEN DEMAND (LOW LEVEL) (	10	1
80115	CHEM. OXYGEN DEMAND (COD) % REMOVAL	10	1
80108	CHEM. OXYGEN DEMAND (COD) KG/1000 GAL.	10	1
00340	CHEM. OXYGEN DEMAND (HIGH LEVEL) (	10	1
00146	CHEM. OXYGEN DEMAND, LB/TON OF PRODUCTIO	10	1
80103	CHEMICAL OXYGEN DEMAND (COD)	10	1
77447	CHLORAL	07	2
39108	CHLORAL HYDRATE	07	2
78148	CHLORAMINE RESIDUAL	07	2
39350	CHLORDANE (TECH MIX. AND METABOLITES)	11	2
39129	CHLORENDIC ACID	07	2
00940	CHLORIDE (AS CL)	06	1
47027	CHLORIDE, LB/DAY/CFS OF STREAMFLOW	06	1
70352	CHLORIDE, ORGANIC, TOTAL	07	2
00166	CHLORIDE, PERCENT REMOVAL	06	1
82209	CHLORIDES & SULFATES	06	1
34033	CHLORINATED ETHANES	07	2

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
74052	CHLORINATED HYDRO- CARBONS, GENERA	01	2
34032	CHLORINATED METHANES	07	2
81397	CHLORINATED ORGANIC COMPOUNDS	07	2
78217	CHLORINATED PESTI- CIDES, TOTAL	11	2
00188	CHLORINATED PESTI- CIDES, TOT & PC	11	2
34034	CHLORINATED PHENOLS	07	2
50068	CHLORINATION	17	2
00370	CHLORINE DEMAND,1 HR	06	1
50058	CHLORINE DOSE	17	2
50059	CHLORINE RATE-POUNDSPER DAY	06	2
81400	CHLORINE USAGE	06	2
50066	CHLORINE, COMBINED AVAILABLE	06	2
50064	CHLORINE, FREE AVAILABLE	17	2
50060	CHLORINE, TOTAL RESIDUAL	17	2
00183	CHLORINE, TOTAL RES.DURATION OFVIOLATION	06	2
34301	CHLOROBENZENE	07	2
81520	CHLOROBUTADIENE (CHLOROPRENE)	11	2
34306	CHLORODIBROMOMETHANE	07	2
82231	CHLORODIMEFORM	07	2
34311	CHLOROETHANE	07	2
39793	CHLOROETHYLENE BISTHIOCYANATE	07	2
32106	CHLOROFORM	07	2
32270	CHLOROFORM EXTRACTABLES, T	07	2
32230	CHLOROPHYLL A	03	
01254	CHROMIUM	08	2
01118	CHROMIUM TOTAL RECOVERAB	08	2
61512	CHROMIUM SLUDGE SOLID (MG/KG)	08	2
61513	CHROMIUM SLUDGE TOTAL (MG/L)	08	2
01030	CHROMIUM, DISSOLVED (AS CR)	08	2
01032	CHROMIUM, HEXAVALENT (AS CR)	08	2
01220	CHROMIUM, HEXAVALENT DISSOLVED (AS CR)	08	2
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	08	2
01034	CHROMIUM, TOTAL (AS CR)	08	2
82059	CHROMIUM, TOTAL KG/BATCH	08	2
82058	CHROMIUM, TOTAL PERCENT REMOVAL	08	2
01029	CHROMIUM, TOTAL DRY WEIGHT (AS CR)	08	2
01033	CHROMIUM, TRIVALENT (AS CR)	08	2
82399	CHROMIUM,HEXAVALENT KG/BATCH	08	2
34320	CHRYSENE	07	2
34704	CIS-1,3-DICHLORO PROPENE	07	2
00032	CLOUD COVER (PCT)	13	
00158	CN, FREE (AMENABLE TO CHLORINE)KG/	06	2
00184	COAGULANTS ADDED POUNDS PER DAY	17	
01035	COBALT, DISSOLVED (AS CO)	08	1
01037	COBALT, TOTAL (AS CO)	08	1
74055	COLIFORM, FECAL GENERAL	01	
31612	COLIFORM, FECAL 10/ML	02	
31613	COLIFORM, FECAL MF, M-FC AGAR,44.5C,24HR	02	
31616	COLIFORM, FECAL MF, M-FC BROTH,44.5C	02	
31625	COLIFORM, FECAL MF, M-FC, 0.7UM	02	

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
48201	COLIFORM, FECAL MPN + MEMBRANE FTL 44.5C	02	
31505	COLIFORM, TOT, MPN, COMPLETED, (100 ML)	02	
74056	COLIFORM, TOTAL GENERAL	01	
31502	COLIFORM, TOTAL 10/ML	02	
31503	COLIFORM, TOTAL MF, DELAYED,M-ENDO MED	02	
31504	COLIFORM, TOTAL MF, IMMED,LES ENDO AGAR	02	
31501	COLIFORM, TOTAL MF, IMMED,M-ENDO MED 35C	02	
01290	COLOR (ADMI UNITS)	13	
00080	COLOR (PT-CO UNITS)	13	
00084	COLOR MG/L	13	
01139	COLUMBIUM, TOTAL	08	2
00144	COMBINED METALS SUM	08	2
01256	COPPER	08	2
01119	COPPER TOTAL RECOVERAB	08	2
01089	COPPER AS SUSPENDED BLACK OXIDE	08	2
61506	COPPER SLUDGE SOLID (MG/KG)	08	2
61507	COPPER SLUDGE SOLID (MG/L)	08	2
01040	COPPER, DISSOLVED (AS CU)	08	2
01041	COPPER, SUSPENDED (UG/L AS CU)	08	2
01042	COPPER, TOTAL (AS CU)	08	2
00159	COPPER, TOTAL KG/BATCH	08	2
81293	COUMAPHOS	11	2
70226	CURRENT DIRECTION DEG FROM TRUE N	13	
00725	CYANATE (AS OCN)	06	2
61556	CYANIDE SLUDGE SOLID (M	06	2
01257	CYANIDE (A)	08	2
32019	CYANIDE AND THIOCYANATE - TOTAL	07	2
00724	CYANIDE COMPLEXED TO RANGE OF COM	06	2
81208	CYANIDE FREE NOT AMENABLE TO CHL	06	2
01291	CYANIDE, FILTERABLE,TOTAL IN WATER	06	2
00719	CYANIDE, FREE-WATER+WASTEWATERS, UG/L	06	2
00720	CYANIDE, TOTAL (AS CN)	06	2
00723	CYANIDE,DISSOLVED STD METHOD	06	2
00722	CYANIDE,FREE (AMEN. TO CHLORINATION)	06	2
81892	CYCLOATE (RONEET)	11	2
81570	CYCLOHEXANE	07	2
77101	CYCLOHEXYL AMINE (AMINO HEXAHYD	07	2
81690	CYCOHEXANONE IN WHOLE WATER SAMPLE (MG/L	07	2
70314	DACONIL (C8CL4N2) IN WATER MG/L	11	2
39770	DACTHAL	11	2
82576	DAILY EXCURSION TIME(MIN)	13	
82578	DAY - MAX EXCURSION TIME (MIN)	13	
39365	DDE	11	2
39370	DDT	11	2
38925	DECHLORANE PLUS	06	2
81678	DEHYDROABIETIC ACID IN WHOLE WATER SAMPL	07	2
39007	DELNAV	11	2
34259	DELTA BENZENE HEXACHLORIDE	11	2
71820	DENSITY OF WATER AT 20C (G/ML)	13	
72025	DEPTH OF POND OR RESERVOIR IN FEET	13	

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME		STORET CLASS	TRC CLASS
72019	DEPTH TO WATER LEVELFT BELOW LANDSURFACE		13	
00068	DEPTH, MAX OF SAMPLE(FEET)		18	
39110	DI-N-BUTYL PHTHALATE		07	2
34596	DI-N-OCTYL PHTHALATE		07	2
39570	DIAZINON		11	2
34556	DIBENZO (A,H)	ANTHRACENE	07	2
32105	DIBROMOCHLORO-	METHANE	07	2
39150	DICHLONE		11	2
81524	DICHLOROBENZENE		07	2
78155	DICHLOROBENZYLTRIFLUORIDE		07	2
32101	DICHLOROBROMOMETHANE		07	2
82529	DICHLOROBUTADIENE	IN WATER MG/L	07	2
82225	DICHLOROBUTENE-	(ISOMERS)	07	2
34040	DICHLORODEHYDRO-	ABEIETIC ACID	07	2
34668	DICHLORODIFLUORO-	METHANE	07	2
77984	DICHLOROTRIFLUORO-	ETHANE	07	2
77983	DICHLOROTULUENE		07	2
81572	DICYCLOPENTADIENE		07	2
39131	DIDECYLDIMETHYL	AMMONIUM CHLORI	07	2
39380	DIELDRIN		11	2
34336	DIETHYL PHTHALATE		07	2
78149	DIETHYLAMINOETHANOL		07	2
78214	DIETHYLBENZENE		07	2
81346	DIETHYLHEXYL	PHTHALATE ISOME	07	2
46312	DIETHYLHEXYL-	PHTHALATE	07	2
82192	DIETHYLSTILBESTEROL		07	2
82207	DIFFERENTIAL PRESSURE ANNULAR WELL HEAD		17	
39031	DIFOLATAN		11	2
00172	DIGESTER SOLIDS	CONTENT, PERCEN	15	1
39122	DIMETHOXYBENZIDINE		07	2
82213	DIMETHYL BENZIDINE		07	2
34341	DIMETHYL PHTHALATE		07	2
01352	DISCHARGE FLOW AS % OF STREAM FLOW		05	
82370	DISSOLVED	RADIOACTIVE GAS	14	2
00177	DISSOLVED OXYGEN	DEMAND	10	1
39010	DISULFOTON		11	2
00637	DITHIOCARBONATES		07	1
39650	DIURON		11	2
32255	DOS-3 IN DRILLING	FLUIDS	07	
84108	DRAIN FIELD INSP	ASSESSMENT	13	
74011	DRILL CUTTING	(OIL RIGS)	17	
00499	DRILLED SOLIDS IN	DRILLING FLUIDS	15	1
81381	DURATION OF	DISCHARGE	13	
39013	DYFONATE		11	2
78150	DYPHYLLINE		07	2
78151	EDTA		07	2
82228	EDTA AMMONIATED		07	2
34351	ENDOSULFAN SULFATE		11	2
39388	ENDOSULFAN, TOTAL		11	2
39390	ENDRIN		11	2

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
34366	ENDRIN ALDEHYDE	11	2
81401	ENTERIC VIRUSES	03	
81679	EPICHLOROHYDRIN	07	2
81894	EPTC (EPTAM)	11	2
82193	ESTRADIOL	07	2
77004	ETHANOL WHOLE WATER, UG	07	2
39398	ETHION	11	2
37371	ETHYL BENZENE	07	2
78113	ETHYL BENZENE WHOLE WATER, UG	07	2
73010	ETHYL ETHER BY GAS CHROMATOGRAPH (	07	2
81586	ETHYL METHYL- DIOXOLANE	07	2
46315	ETHYL PARATHION	11	2
34371	ETHYLBENZENE	07	2
78202	ETHYLENE CHLOROHYDRIN	07	2
34102	ETHYLENE GLYCOL DINITRATE	11	2
76999	ETHYLENE OXIDE	07	2
82044	ETHYLENE, DISSOLVED IN WATER (UG/L C2H4)	07	2
79746	ETHYLHEXYL	07	2
84106	EVAPORATOR / BED OBSV - ASSESSME	13	
31615	FECAL COLIFORM, MPN,EC MED, 44.5C	02	
50075	FERRICYANIDE	06	2
80887	FERROCHROME LIGNO- SULFONATED FRWT	15	1
81318	FERROCYANIDE	06	1
82064	FERROUS SULFATE	06	1
82387	FIRST STAGE OXYGEN DEMAND % REMOVA	10	1
01340	FISH, DEAD (SEVERITY)	13	
74020	FLOW - PUMP OUT	05	
00058	FLOW RATE	05	
00056	FLOW RATE	05	
74060	FLOW RATE	05	
82221	FLOW VOLUME DAILY- INTO A WELL	05	
00164	FLOW, GALLONS/BATCH	05	
50050	FLOW, IN CONDUIT OR THRU TREATMENT PLANT	05	
50047	FLOW, MAXIMUM DURING 24 HR PERIOD	05	
82220	FLOW, TOTAL MG/MO	05	
50049	FLOW, WASTEWATER BY-PASSING TRTMNT PLANT	05	
34376	FLUORANTHENE	07	2
34381	FLUORENE	07	2
32016	FLUORIDE - COMPLEX	07	2
32018	FLUORIDE - FREE	07	1
00950	FLUORIDE, DISSOLVED (AS F)	06	1
00951	FLUORIDE, TOTAL (AS F)	06	1
00952	FLUOROBORATES	06	1
01288	FOAMING AGENTS	07	2
71880	FORMALDEHYDE	07	2
82229	FREE ACID	13	
82390	FREE ACID, TOTAL	06	1
77647	FREON 113 (1,1,1-TRIFLOURO-2,2-	07	2
72049	FRESHWATER IN DRILLING FLUIDS	13	
81588	FURFURAL	07	2

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
39340	G-BHC-DELTA	11	2
81392	GALLONS DISTILLED	13	
05501	GAMMA, TOTAL	14	2
05502	GAMMA, TOTAL COUNTING ERROR	14	2
01310	GAS BUBBLE SEVERITY	13	
00174	GAS, DIGESTER, VOLUME OF	17	
72047	GASES, TOTAL DISSOLVED	13	
79743	GLYPHOSATE, TOTAL	07	2
71910	GOLD, TOTAL (AS AU)	08	1
78152	GUAFENSIN	07	2
79751	GUANIDINE NITRATE IN WATER, (UG/L)	07	2
39580	GUTHION	11	2
78203	HALOGENATED HYDRO- CARBONS, TOTAL	07	2
81375	HALOGENATED ORGANICS	07	2
34011	HALOGENATED TOLUENE	07	2
00900	HARDNESS, TOTAL (AS CACO3)	06	1
81398	HEAT (SUMMER)	13	
81386	HEAT (SUMMER)	13	
81399	HEAT (WINTER)	13	
81387	HEAT (WINTER)	13	
39410	HEPTACHLOR	11	2
39420	HEPTACHLOR EPOXIDE	11	2
00148	HERBICIDES, TOTAL	07	2
39700	HEXACHLOROBENZENE	07	2
81885	HEXACHLOROBIPHENYL WHOLE WATER, UG	07	2
39702	HEXACHLOROBUTADIENE	07	2
34391	HEXACHLOROBUTADIENE,TOT W UG/L	07	2
34386	HEXACHLOROCYCLO- PENTADIENE	07	2
77835	HEXACHLOROCYCLOHEXANE (BHC) TOTAL	07	2
34396	HEXACHLOROETHANE	07	2
82196	HEXAMETHYL- PHOSPHORAMINE(H	11	2
77542	HEXAMETHYLBENZENE	07	2
01255	HEXAVALENT CHROMIUM	08	2
82203	HMX-1,3,5,7-TETRA ZOCINE	07	2
81313	HYDRAZINE	06	2
81308	HYDROCARBONS NITRATED	07	2
39942	HYDROCARBONS, AROMATIC	07	2
00551	HYDROCARBONS,IN H2O,IR,CC14 EXT. CHROMAT	07	2
00439	HYDROCHLORIC ACID GPD	06	1
00438	HYDROCHLORIC ACID IN WHOLE WATER	06	1
00142	HYDROGEN CYANIDE	06	2
00191	HYDROGEN ION CONCENTRATION M	06	
00139	HYDROGEN PEROXIDE	06	1
71875	HYDROGEN SULFIDE	06	1
77165	HYDROQUINONE WHOLE WATER, UG	07	2
78153	HYDROXYACETOPHENONE	07	2
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	13	
32256	IMCO LUBE 106 IN DRILLING FLUIDS	07	
32257	IMCO LUBRIKLEEN IN DRILLING FLUIDS	07	
00566	IMCO MOS. 1,2,3,6 GPD	07	

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TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
00564	IMCO NOS. 4,5 GPD	07	
32258	IMCO PHOS IN DRILLING FLUIDS	07	
77202	INDENE	07	2
34403	INDENO (1,2,3-CD) PYRENE	07	2
74006	INERT PLASTIC SPHERES IN DRIL	17	
50056	INJECTION PRESSURE- AT WELL HEAD	13	
61576	INTAKE-DISCHARGE TEMP DIFFERENCE	16	
71865	IODIDE (AS I)	06	1
18501	IODINE 129	14	2
01258	IRON	08	1
00980	IRON TOTAL RECOVERAB	07	1
00988	IRON AMD MAGANESE - SOLUBLE	07	1
00987	IRON AMD MAGANESE - TOTAL	07	1
01046	IRON, DISSOLVED (AS FE)	08	1
01045	IRON, TOTAL (AS FE)	08	1
82218	IRON, TOTAL PERCENT REMOVAL	08	1
00147	IRON, TOTAL LB PER 1000LB OF PRODU	08	1
01170	IRON, TOTAL DRY WEIGHT (AS FE)	08	1
00160	IRON,TOTAL KG/BATCH	08	1
00155	ISOOCTYL SILVEX	11	2
00156	ISOOCTYL 2,4,5-T	11	2
34408	ISOPHORONE	11	2
34035	ISOPOMARIC ACID	07	2
34042	ISOPRENE	07	2
77015	ISOPROPANOL	07	2
75062	ISOPROPYL ALCOHOL (C3H8O), SED, U	07	2
78219	ISOTHIAZOLONE	07	2
39017	KELTHANE	11	2
81281	KEPONE	11	2
32259	KWIK SEAL IN DRILLING FLUIDS	07	
01182	LANTHANUM, TOTAL	08	2
01259	LEAD	08	2
17501	LEAD	14	2
01114	LEAD TOTAL RECOVERAB	08	2
61503	LEAD SLUDGE SOLID (MG/KG)	08	2
61504	LEAD SLUDGE TOTAL (MG/L)	08	2
01049	LEAD, DISSOLVED (AS PB)	08	2
01051	LEAD, TOTAL (AS PB)	08	2
01052	LEAD, TOTAL DRY WEIGHT (AS PB)	08	2
72107	LENGTH OF LONGEST PH EXCURSION	17	
80888	LIGHTLY TREATED LIG-NOSULFONATED MUD GPD	15	1
00963	LIGNITE IN DRILLING FLUIDS	06	
00964	LIGNOSULFATE IN DRILLING FLUIDS	06	
00965	LIME IN DRILLING FLUIDS	06	
77828	LINOLEIC ACID	07	2
34036	LINOLENIC ACID	07	2
01130	LITHIUM, DISSOLVED (AS LI)	08	1
01132	LITHIUM, TOTAL (AS LI)	08	1
78156	M - ALKYLDIMETHLBENZYLAMCL	07	2
11123	MAGANESE TOTAL RECOVERAB	08	1

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TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME		STORET CLASS	TRC CLASS
00925	MAGNESIUM, DISSOLVED	(AS MG)	08	1
01292	MAGNESIUM, PCT	EXCHANGE	08	2
00927	MAGNESIUM, TOTAL	(AS MG)	08	1
39530	MALATHION		11	2
01056	MANGANESE, DISSOLVED	(AS MN)	08	1
01055	MANGANESE, TOTAL	(AS MN)	08	1
82060	MANGANESE, TOTAL	KG/BATCH	08	1
82540	MB 121 IN WATER	LBS/MONTH	07	2
82211	MERCAPTANS, TOTAL		11	2
78154	MERCAPTOBENZOTHIAZOLE		07	2
01260	MERCURY		08	2
71901	MERCURY	TOTAL RECOVERAB	08	1
71890	MERCURY, DISSOLVED	(AS HG)	08	2
71900	MERCURY, TOTAL	(AS HG)	08	2
39480	METHOXYCHLOR		11	2
34413	METHYL BROMIDE		07	2
34418	METHYL CHLORIDE		07	2
81595	METHYL ETHYL KETONE		07	2
81596	METHYL ISOBUTYL	KETONE (MIBK)	07	2
00143	METHYL MERCAPTAN		07	2
81597	METHYL METHACRYLATE		07	2
39600	METHYL PARATHION		11	2
45097	METHYL STYRENE		07	2
45268	METHYLENE	BIS-THIOCYANATE	07	2
34423	METHYLENE CHLORIDE		07	2
34425	METHYLENE CHLORIDE, SUSP	UG/L	07	2
00966	MICA IN DRILLING	FLUIDS	06	
82239	MICROSCOPIC ANALYSIS		03	
39755	MIREX		11	2
82238	MIXED LIQUOR		17	
01060	MOLYBDENUM	DISSOLVED (AS M	08	2
01062	MOLYBDENUM, TOTAL	(AS MO)	08	2
34031	MONO-CHLORO-BENZENES		07	2
50073	MONOBORO CHLORATE		06	1
78213	MONOCHLOROACETIC	ACID	07	2
78143	MONOCHLOROBENZYLTRIFLUORIDE		07	2
34039	MONOCHLORODEHYDRO-	BEIETIC ACID	07	2
78204	MONOCHLOROTOLUENE		07	2
82577	MONTH EXCURSION TIME(MIN)		13	
34428	N-NITRO-N-PROPYL-	AMINE	07	2
34438	N-NITROSODIMETHYL-	AMINE	07	2
34433	N-NITROSODIPHENYL-	AMINE	07	2
79752	N,N'DIETHYL CARBANILIDE,	(UG/L)	07	2
34696	NAPHTHALENE		07	2
78157	NAPHTHENIC ACID		07	2
79745	NEPTUNE BLUE		07	2
61575	NET RATE OF ADDITIONOF HEAT		17	
78159	NIACINAMIDE		07	2
01261	NICKEL		08	2
01074	NICKEL	TOTAL RECOVERAB	08	2

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
61515	NICKEL SLUDGE SOLID (MG/KG)	08	2
61516	NICKEL SLUDGE TOTAL (MG/L)	08	2
01065	NICKEL, DISSOLVED (AS NI)	08	2
01066	NICKEL, SUSPENDED (UG/L AS NI)	08	2
01067	NICKEL, TOTAL (AS NI)	08	2
00161	NICKEL, TOTAL KG/BATCH	08	2
00178	NICOTINE SULFATE UG/L	06	1
00695	NITRILOTRIACETIC ACID (NTA)	07	1
00630	NITRITE PLUS NITRATE TOTAL 1 DET. (AS N)	09	1
34447	NITROBENZENE	07	2
82189	NITROCELLULOSE	07	2
00696	NITROFURANS	07	2
61539	NITROGEN AS NO3 SLUDGE SOLID (M	09	1
82385	NITROGEN OXIDES (AS N)	09	1
61533	NITROGEN SLUDGE SOLID (MG/KG)	09	1
61534	NITROGEN SLUDGE TOTAL (MG/L)	09	1
01299	NITROGEN-NITRATE IN WATER, (PCT)	09	1
01298	NITROGEN-NITRITE IN WATER, (PCT)	09	1
00610	NITROGEN, AMMONIA TOTAL (AS N)	09	1
71845	NITROGEN, AMMONIA TOTAL (AS NH4)	09	1
00151	NITROGEN, AMMONIA LB/DAY/CFS STREAMFLOW	09	1
00175	NITROGEN, AMMONIA, PERCENT REMOVAL	09	1
00623	NITROGEN, KJELDAHL DISSOLVED (AS N	09	1
00625	NITROGEN, KJELDAHL TOTAL (AS N)	09	1
00620	NITROGEN, NITRATE TOTAL (AS N)	09	1
71850	NITROGEN, NITRATE TOTAL (AS NO3)	09	1
00615	NITROGEN, NITRITE TOTAL (AS N)	09	1
71855	NITROGEN, NITRITE TOTAL (AS NO2)	09	1
00605	NITROGEN, ORGANIC TOTAL (AS N)	09	1
00600	NITROGEN, TOTAL (AS N)	09	1
81393	NITROGEN, TOTAL KJELDAHL, % REM	09	1
00640	NITROGEN,INORGANIC TOTAL	09	1
82386	NITROGEN,OXIDIZED	09	1
81382	NITROGENOUS OXYGEN DEMAND (20-DAY,	10	1
81384	NITROGENOUS OXYGEN DEMAND, % REMOV	10	1
34101	NITROGLYCERIN BY GAS CHROMATOGRAPHY	11	2
79753	NITROGUANIDINE IN WATER, (UG/L)	07	2
78656	NITROSEDIPHENYLAMINE	07	2
78160	NITROSTYRENE	07	2
00404	NON-IONIC DISPERSANT (NALSPERSE 7348)	06	1
80278	NON-NITROGENOUS BOD	07	1
74007	NUTSHELLS IN DRILLING FLUIDS	17	
78215	O - CHLOROBENZYL CHLORIDE	07	2
77889	OCTACHLORO- CYCLOPENTENE	07	2
00085	ODOR (THRESHOLD NO. AT ROOM TEMPERATURE)	13	
00087	ODOR (THRESHOLD NO. AT 40 DEG CENT)	13	
82173	OIL & GREASE AROMATIC	07	1
01300	OIL & GREASE SEVERITY	13	
00558	OIL & GREASE % REMOVAL	07	1
00560	OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	07	1

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TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME		STORET CLASS	TRC CLASS
84105	OIL - SEPARATOR	OBSV - ASSESSME	13	
00550	OIL AND GREASE	(SOXHLET EXTR.)	07	1
00556	OIL AND GREASE	FREON EXTR-GRAV	07	1
00182	OIL AND GREASE	MG/SQUARE METER	07	1
84066	OIL AND GREASE	VISUAL	07	1
00152	OIL AND GREASE LB,	PER TON OFPRODU	07	1
00552	OIL AND GREASE,	HEXANE EXTR MET	07	1
00555	OIL AND GREASE,	KG/1000 GALLONS	07	1
00153	OIL AND GREASE,	LB/DAY/CFSSTREA	07	1
32250	OIL, PETROLEUM ETHEREXTRACTABLES (MG/L)		07	2
77832	OLEIC ACID	WHOLE WATER UG	07	2
82199	ORDRAM (HYDRAM)		11	2
81299	ORGANIC CHEMICAL	SUBSTANCES	07	2
81396	ORGANIC COMPOUNDS,	CHLOROFORM EXTR	07	2
81815	ORTHENE		11	2
81676	ORTHO-CRESOL	MG/L	11	2
70507	ORTHO-PHOSPHATE	TOTAL (AS P)	12	1
74061	OVERFLOW USE	HOURS/MONTH	17	
74062	OVERFLOW USE	OCCURRENCES/MON	17	
34046	OXIDENTS RELEASED,	TOTAL RESIDUAL	17	
34045	OXIDENTS, FREE	AVAILABLE	17	
34044	OXIDENTS, TOTAL	RESIDUAL	17	
82210	OXYGEN DEMAND	FIRST STAGE	10	1
81018	OXYGEN DEMAND, TOTAL LB/DAY/CFSSF		10	1
34048	OXYGEN INJECTION	DIVERSION	17	
34049	OXYGEN INJECTION	INTERRUPTION	17	
34047	OXYGEN TRANSFER	EFFICIENCY	17	
00300	OXYGEN, DISSOLVED	(DO)	04	
00301	OXYGEN, DISSOLVED	PERCENT SATURAT	04	
00387	OZONE		07	1
00386	OZONE - RESIDUAL		07	1
01210	PALLADIUM, TOTAL	(AS PD)	08	2
79744	PANTHALIUM, TOTAL		07	2
78205	PARABEN (METHYL AND PROPYL)		07	2
34452	PARACHLOROMETA	CRESOL	07	2
82416	PARAQUAT		11	2
39540	PARATHION		11	2
00185	PARTICULATES, FLOAT-ING	MG/SQUARE METER	17	
00186	PARTICULATES, FLOAT-ING,	DRY WEIGHT MG/L	17	
34671	PCB-1016	(AROCHLOR 1016)	07	2
39488	PCB-1221	(AROCHLOR 1221)	07	2
39492	PCB-1232	(AROCHLOR 1232)	07	2
39496	PCB-1242	(AROCHLOR 1242)	07	2
39500	PCB-1248	(AROCHLOR 1248)	07	2
39504	PCB-1254	(AROCHLOR 1254)	07	2
39508	PCB-1260	(AROCHLOR 1260)	07	2
39032	PENTACHLOROPHENOL		07	2
74053	PESTICIDES, GENERAL		01	2
45501	PETROL HYDROCARBONS,TOTAL RECOVERABLE		07	2
00400	PH		13	

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TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME		STORET CLASS	TRC CLASS
82214	PH CHANGE (RANGE)		13	
82575	PH EXCHANGE (SU)		13	
00403	PH, LIB		13	
34461	PHENATHRENE		07	2
34694	PHENOL, TOTAL	SINGLE COMPOUND	07	2
78218	PHENOLIC COMPOUNDS, UNCHLORINATED		07	2
34043	PHENOLICS, TOTAL		07	2
32730	PHENOLICS, TOTAL	RECOVERABLE	07	2
82194	PHENOXY ACETIC ACID		07	2
00653	PHOSPHATE	TOTAL SOLUBLE	12	1
00660	PHOSPHATE, ORTHO	(AS PO4)	12	1
00650	PHOSPHATE, TOTAL	(AS PO4)	12	1
70505	PHOSPHATE, TOTAL	COLOR. METHOD (	12	1
00671	PHOSPHATE,DISSOLVED/ORTHOPHOSPHATE(AS P)		12	1
00655	PHOSPHATE,POLY	(AS PO4)	12	1
39058	PHOSPHATED	PESTICIDES	11	2
29620	PHOSPHOROUS 32, TOTAL		14	1
00442	PHOSPHORUS, TOT ELEMENTAL	(MG/L)	12	1
00665	PHOSPHORUS, TOTAL	(AS P)	12	1
81012	PHOSPHORUS, TOTAL	PERCENT REMOVAL	12	1
71888	PHOSPHORUS,TOTAL	SOLUBLE (AS PO4	12	1
39117	PHTHALATE ESTERS		07	2
77566	PHTHALIC ACID		07	2
82093	PHYTOPLANKTON		03	
00180	PLANT CAPACITY FACT.	PERCENT OF CAPACITY	13	
50043	PLANT INTAKE AS %	OF STREAM FLOW	13	
01171	PLATINUM, TOTAL	(AS PT)	08	2
00195	PLUME SURFACE AREA	ACRES	13	
19501	POLONIUM 210		14	2
82541	POLYACRILAMIDE	CHLORIDE LBS/MO	07	2
39521	POLYBROMINATED	BIPHENYLS	07	2
39524	POLYBROMINATED	DIPHENYL OXIDES	07	2
39516	POLYCHLORINATED	BIPHENYLS (PCBS	07	2
78161	POLYMETHYLACRYLIC ACID		07	2
84110	POND OBSERVATION		13	
00962	POTASSIUM CHLORIDE	IN DRILLING FLU	06	
00935	POTASSIUM, DISSOLVED	(AS K)	08	1
01296	POTASSIUM, PCT	EXCHANGE	08	1
00937	POTASSIUM, TOTAL	(AS K)	08	1
01295	POTASSIUM, TOTAL PCTIN WATER, (PCT)		08	1
01266	PRESSURE AS PERTAING TO WELLS		17	
50057	PRESSURE IN ANNULUS OF WASTE INJECT WELL		13	
82224	PRESSURE, BOTTOM-AT WELL BOTTOM		13	
00168	PRODUCTION, TOTAL,	MEGAWATTS	17	
82065	PROPARGITE, MG/L		06	1
81706	PROPYLENE OXIDE		07	2
72035	PUMP HOURS		17	
34469	PYRENE		07	2
39930	PYRETHRINS		11	2
39782	R-BHC (LINDANE)-	GAMMA	11	2

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
03520	RADIATION, GROSS BETA	14	2
82077	RADIATION, GROSS ALPHA MICROCURI	14	2
82066	RADIOACTIVITY, GROSS MICROCURIES/ML	14	2
00189	RADIOACTIVITY, PC/L	14	2
11503	RADIUM 226 + RADIUM 228, TOTAL (PC/L)	14	2
09503	RADIUM 226, DISSOLVED	14	2
09501	RADIUM 226, TOTAL	14	2
11501	RADIUM 228, TOTAL	14	2
46529	RAINFALL, INCHES	13	
81362	RDX, DISSOLVED	07	2
81364	RDX, TOTAL	07	2
81391	RECIRCULATION FLOW	13	
81005	RECIRCULATION, PER- CENT OF PLANT FLOW	17	
00546	RESIDUE, SETTLEABLE	15	1
00515	RESIDUE, TOT FLTRBLE (DRIED AT 105C)	15	1
70295	RESIDUE, TOTAL FILTERABLE (MG/	15	1
81015	RESIDUE, TOTAL FILTERABLE - (#	15	1
81021	RESIDUE, TOTAL VOLATILE - (#/D	15	1
82063	RESIDUE, TOTAL FIL- TRABLE KG/BATCH	15	1
81013	RESIDUE, VOLATILE NONFILTERABLE(#	15	1
82212	RESIN ACIDS, TOTAL	07	2
82067	RHODIUM, TOTAL, MG/L	14	2
82202	ROTENONE	11	2
01137	RUBIDIUM,TOTAL (AS RB)	08	1
01336	RUNOFF-SPRAY IRRIGA-TION FIELD TO STREAM	13	
00480	SALINITY	13	
82322	SAMARIUM, TOTAL AS SM IN WATER,	08	2
00968	SAND IN DRILLING FLUIDS	06	
81207	SEAWATER GEL MUD GPD	15	1
72048	SEAWATER IN DRILLING FLUIDS	13	
61518	SELENIUM SLUDGE SOLID (M	08	2
01145	SELENIUM, DISSOLVED (AS SE)	08	2
01147	SELENIUM, TOTAL (AS SE)	08	2
00981	SELENIUM, TOTAL RECOVERABLE	08	2
00171	SEPTAGE DISCHARGED TO TREATMENT FA	17	
81402	SETTLEABLE SOLIDS PERCENT REMOVAL	15	1
01265	SETTLING INDEX AS PERTAINING TO WELLS	07	
39750	SEVIN	11	2
81899	SEVIN (CARBARYL) IN TISSUE	11	2
00955	SILICA, DISSOLVED (AS SIO2)	15	1
00956	SILICA, TOTAL (AS SIOZ)	15	1
01142	SILICON, TOTAL	06	1
01263	SILVER	08	2
01079	SILVER TOTAL RECOVERAB	08	2
01075	SILVER, DISSOLVED (AS AG)	08	2
01077	SILVER, TOTAL (AS AG)	08	2
00162	SILVER, TOTAL KG/BATCH	08	2
01316	SLUDGE BUILD-UP IN WATER (FEET)	15	1
84109	SLUDGE BUILDUP VISUAL	13	
81014	SLUDGE RETURN RATE, % OF PLANT FLOW	17	

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
82219	SLUDGE SETTLEABILITY 30 MINUTE	15	1
82222	SLUDGE VOLUME DAILY INTO A WELL	15	1
00165	SLUDGE VOLUME INDEX (SVI)	17	
00173	SLUDGE, RATE OF WASTING	15	1
82208	SODIUM ARSENITE	08	1
00967	SODIUM BICARBONATE IN DRILLING FLU	06	
00726	SODIUM CHLORATE	06	2
32017	SODIUM CHLORIDE (SALT)	07	1
00727	SODIUM DICHROMATE	06	2
01301	SODIUM HEXAMETAPHOS-PHATE IN WATER, UG/L	06	1
00728	SODIUM NITRITE	06	1
39794	SODIUM PENTACHLORO- PHENATE	07	2
82389	SODIUM SULFATE, TOTAL	06	1
78169	SODIUM-O-PPTH	07	2
00932	SODIUM, %	08	1
00930	SODIUM, DISSOLVED (AS NA)	08	1
00929	SODIUM, TOTAL (AS NA)	08	1
00525	SOLIDS, FIXED DISSOLVED	15	1
00540	SOLIDS, FIXED SUSPENDED	15	1
00545	SOLIDS, SETTLEABLE	15	1
81011	SOLIDS, SUSPENDED PERCENT REMOVAL	15	1
00500	SOLIDS, TOTAL	15	1
70296	SOLIDS, TOTAL DISSOLVED (TDS)	15	1
70300	SOLIDS, TOTAL DISSOLVED- 180	15	1
00510	SOLIDS, TOTAL FIXED	15	1
00530	SOLIDS, TOTAL SUSPENDED	15	1
00163	SOLIDS, TOTAL SUSPENDED, KG/B	15	1
00505	SOLIDS, TOTAL VOLATILE	15	1
82287	SOLIDS, TOTAL NON- VOLATILE, NON-F	15	1
70297	SOLIDS, TOTAL SUS- PENDED KG/1000	15	1
00150	SOLIDS, TOTAL SUSP. LB/DAY/CFSSTREAMFLOW	15	1
00520	SOLIDS, VOLATILE DISSOLVED	15	1
00535	SOLIDS, VOLATILE SUSPENDED	15	1
00167	SOLIDS,DRY,DISCHARGETO SOL.HANDLING SYS.	15	1
00169	SOLIDS,DRY,INCIN.AS%OFDRYSOL.FROMTRMTPLT	15	1
00170	SOLIDS,DRY,REMOVEDFROM SOL.HANDLING SYS.	15	1
00157	SOLIDS,TOT. VOLATILE PERCENT REMOVAL	15	1
00141	SOLIDS,TOTAL SUSP LBS/TON OF PROD	15	1
70322	SOLIDS,VOLATILE % OF TOTAL SOLI	15	1
81009	SOLIDS,VOLATILE SUSPENDED % REM	15	1
00095	SPECIFIC CONDUCTANCE	13	
82205	SPECIFIC GRAVITY	13	
82216	SPRAY IRRIGATION- APPLICATION RAT	17	
00065	STAGE, STREAM (FEET)	13	
32261	STARCH IN DRILLING FLUIDS	07	
81395	STORM WATER FLOW	05	
00061	STREAM FLOW, INSTANTANEOUS	05	
00060	STREAM FLOW, MEAN.DAILY	05	
00004	STREAM WIDTH (FEET)	18	
74054	STREPTOCOCCI, FECAL GENERAL	01	

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
31673	STREPTOCOCCI, FECAL MF, KF AGAR,35C,48HR	02	
31675	STREPTOCOCCI, FECAL MPN,KF BROTH 35C	02	
31671	STREPTOCOCCI, FECAL PLATE COUNT KF AGAR	02	
31674	STREPTOCOCCI, FECAL 10/ML	02	
13501	STRONTIUM 90, TOTAL	14	2
01082	STRONTIUM,TOTAL (AS SR)	08	2
81708	STYRENE	07	2
78162	SUBSTITUTED AROMATICS	07	2
78163	SULFABENZAMIDE	07	2
78164	SULFACETAMIDE	07	2
00154	SULFATE (AS S)	06	1
81020	SULFATE - ($/DAY)	06	1
00945	SULFATE, TOTAL (AS SO4)	06	1
78165	SULFATHIAZOLE	07	2
00746	SULFIDE, DISSOLVED, (AS S)	06	1
81621	SULFIDE, TOTAL	06	1
00745	SULFIDE, TOTAL (AS S)	06	1
00741	SULFITE (AS S)	06	1
00740	SULFITE (AS SO3)	06	1
00760	SULFITE WASTE LIQUOR PEARL BENSON INDEX	06	1
82201	SULFOTEPP(BLADAFUME)	11	2
81795	SULFUR DIOXIDE TOTAL	06	1
80107	SULFUR, TOTAL	06	1
00441	SULPHUR, TOTAL ELEMENTAL (MG/L)	06	1
38260	SURFACTANTS (MBAS)	07	1
85001	SUSPENDED SOLIDS ($/YEAR)	03	1
82318	TANTALUM, TOTAL	08	
01331	TASTE (SEVERITY)	13	
01064	TELLURIUM, TOTAL	08	2
00018	TEMP DIFF. BETWEEN SAMPLE AND UPST	16	
00016	TEMP. DIFF. BETWEEN SAMPLE AND UPSTREAM	16	
81389	TEMP. DIFFERENCE, SUMMER (DEG. C)	16	
81390	TEMP. DIFFERENCE, WINTER (DEG. C)	16	
00136	TEMPERATURE OF SAMPL UPON ARRIVAL AT LAB	16	
82234	TEMPERATURE RATE OF CHANGE DEG. C/HR	16	
74029	TEMPERATURE RATE OF CHANGE DEG. F/HOUR	16	
00020	TEMPERATURE, AIR (DEGREES CENTIG	16	
00021	TEMPERATURE, AIR (DEGREES FAHREN	16	
74025	TEMPERATURE, SUMMER	01	
74027	TEMPERATURE, SUMMER	01	
00010	TEMPERATURE, WATER DEG. CENTIGRADE	16	
00011	TEMPERATURE, WATER DEG. FAHRENHEIT	16	
74026	TEMPERATURE, WINTER	01	
74028	TEMPERATURE, WINTER	01	
78145	TETRA SODIUM EDTA	07	2
78028	TETRACHLOROBENZENE	07	2
34475	TETRACHLOROETHYLENE	07	2
81870	TETRACHLOROGUAIACOL (4CG) IN WHOLE WATER	07	2
78166	TETRAHYDRO-3,5-DIMETHYL-2-HYDRO-1,3,5-TH	07	2
81607	TETRAHYDROFURAN	07	2

TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
01057	THALLIUM, DISSOLVED (AS TL)	08	2
01059	THALLIUM, TOTAL (AS TL)	08	2
00982	THALLIUM, TOTAL RECOVERABLE	08	2
78167	THEOPHYLLINE	07	2
00015	THERMAL DISCHARGE MILLION BTUS PE	13	
00017	THERMAL DISCHARGE MILLION BTUS PE	13	
82195	THIOCARBAMATES	11	2
00730	THIOCYANATE (AS SCN)	06	2
81317	THIOSULFATE ION(2-)	06	2
01262	TIN	08	2
01100	TIN, DISSOLVED (AS SN)	08	1
01102	TIN, TOTAL (AS SN)	08	1
00983	TIN, TOTAL RECOVERABLE	08	2
01150	TITANIUM, DISSOLVED (AS TI)	08	2
01152	TITANIUM, TOTAL (AS TI)	08	2
01153	TITANIUM, TOTAL DRY WEIGHT (AS TI)	08	2
34010	TOLUENE	07	2
78144	TOLUENE-2,4 -DIISOCYANITE	07	2
74009	TORQ TRIM IT IN DRILLING FLUIDS	17	
01273	TOTAL ACID PRIORITY POLLUTANTS	17	2
01277	TOTAL AGG CONCENTRATION #1	07	
01278	TOTAL AGG CONCENTRATION #2	07	
01279	TOTAL AGG CONCENTRATION #3	07	
01276	TOTAL AGG CONCENTRATION #4	17	
01280	TOTAL AGG CONCENTRATION #5	07	
01281	TOTAL AGG CONCENTRATION #6	07	
01282	TOTAL AGG CONCENTRATION #7	07	
01283	TOTAL AGG CONCENTRATION #8	07	
01274	TOTAL BASE/NEUTRAL PRIORITY POLLUT	17	2
00680	TOTAL ORGANIC CARBON (TOC)	07	1
00679	TOTAL ORGANIC CARBON(TOC) KG/1000GALLONS	07	1
70353	TOTAL ORGANIC HALIDES	07	2
00343	TOTAL OXYGEN DEMAND (TOD)	10	1
82560	TOTAL PESTICIDES	11	2
19500	TOTAL POLONIUM	08	2
00145	TOTAL PRODUCTION	17	
78171	TOTAL PURGEABLE AROMATICS	07	2
39084	TOTAL PURGEABLE HALOCARBONS	07	2
71911	TOTAL RARE EARTH METALS (MG/L)	08	1
82237	TOTAL SUSP. SOLIDS- LB/CU FT PROCESS	15	1
78141	TOTAL TOXIC ORGANICS (MG/L)	07	2
01275	TOTAL VOLATILE POLLUTANTS	17	2
39400	TOXAPHENE	11	2
00187	TOXICITY CONCENTRATION M	03	2
61406	TOXICITY, FINAL CONC TOXICITY UNITS	03	2
34699	TRANS-1,3-DICHLORO PROPENE	07	2
00077	TRANSPARENCY, SECCHI DISC (IN	13	
39030	TREFLAN (TRIFLURALIN)	11	2
34717	TRIARYL PHOSPHATE	12	1
82516	TRICHLOROBENZENE	07	2

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
81853	TRICHLOROETHANE	07	2
39180	TRICHLOROETHYLENE	07	2
34488	TRICHLOROFLUORO- METHANE	07	2
82227	TRICHLOROPHENATE- (ISOMERS)	07	2
81848	TRICHLOROPHENOL	07	2
77676	TRICHOROTULENE	06	2
82190	TRIETHANOLAMINE	07	2
81284	TRIFLURALIN (C13H16F3N3O4)	11	2
82080	TRIHALOMETHANE, TOTAL IN WATER,	07	2
78136	TRIMETHYL BENZENE IN WHOLE WATER	07	2
81358	TRINITROTOLUENE (TNT), DISSOLVE	07	2
81360	TRINITROTOLUENE (TNT), TOTAL	07	2
39786	TRITHION	11	2
07000	TRITIUM (1 H3),TOTAL	14	2
82126	TRITIUM, TOTAL	14	2
07001	TRITIUM, TOTAL COUN-TING ERROR (PC/L)	14	2
07020	TRITIUM, TOTAL NET INCREASE H-3 UN	14	2
01155	TUNGSTEN, DISSOLVED MG/L	08	2
01154	TUNGSTEN, TOTAL,MG/L	08	2
00070	TURBIDITY	13	
01350	TURBIDITY (SEVERITY)	13	
82235	TURBIDITY, % INCREAS OVER INTAKE	13	
00076	TURBIDITY, HCH TURBIDIMITER	13	
00075	TURBIDITY, HELLIGE (PPM-SILICON DI	13	
00192	ULT. CARBONACEOUS OXYGEN DEMAND (	10	1
00181	ULTIMATE OXYGEN DEMAND MG/L	10	1
00176	ULTIMATE OXYGEN DEMAND, PER. RE	10	1
22703	URANIUM, NATURAL, DISSOLVED	14	2
22708	URANIUM, NATURAL, TOTAL	14	2
28012	URANIUM, NATURAL, TOTAL (IN PCI/L	14	2
22706	URANIUM, TOTAL AS U308	08	2
22622	URANIUM, 235 TOTAL	14	2
22601	URANIUM, 238 TOTAL	14	2
00989	URANYL-ION	08	2
01085	VANADIUM, DISSOLVED (AS V)	08	1
01087	VANADIUM, TOTAL (AS V)	08	1
82061	VANADIUM, TOTAL KG/BATCH	08	1
01088	VANADIUM, TOTAL DRY WEIGHT (AS V)	08	1
01128	VANADIUM, TOTAL RECOVERABLE	08	1
81380	VELOCITY OF DIS- CHARGE, METERS/	13	
82200	VERNAM (S-PROPYLDI- PROPYLTHIOCARBAMATE)	11	2
77057	VINYL ACETATE	07	2
39175	VINYL CHLORIDE	07	2
00475	VISCOSITY	13	
82558	VOLATILE HALOGENATED HYDROCARBONS	07	2
82559	VOLATILE HYDROCARBONS	07	2
00179	WASTE HEAT REJECTION RATE BTU/HOUR	13	
82391	WATER TREATMENT ADDITIVES	17	
00036	WIND DIRECTION (DEG FROM TRUE	13	
32262	XC POLYMER IN DRILLING FLUIDS	07	2

PARAMETER	PARAMETER NAME		STORET CLASS	TRC CLASS
81551	XYLENE		07	2
01264	ZINC		08	2
61509	ZINC	SLUDGE SOLID (M	08	2
01094	ZINC	TOTAL RECOVERAB	08	2
61510	ZINC SLUDGE TOTAL (MG/L)		08	2
01090	ZINC, DISSOLVED	(AS ZN)	08	2
01092	ZINC, TOTAL	(AS ZN)	08	2
82062	ZINC, TOTAL	KG/BATCH	08	2
01162	ZIRCONIUM,TOTAL		08	2
34496	1,1-DICHLOROETHANE		07	2
34501	1,1-DICHLOROETHYLENE		07	2
34506	1,1,1-TRICHLORO-	ETHANE	07	2
34511	1,1,2-TRICHLORO-	ETHANE	07	2
77652	1,1,2-TRICHLORO-	TRIFLUORETHANE	07	2
34516	1,1,2,2-TETRACHLORO-ETHANE		07	2
77651	1,2 ETHYLENE-DIBROMITE (DIBROMORTHANE)		07	2
81574	1,2-CIS-DICHLORO-ETHYLENE		07	2
34561	1,2-DICHLORO-	PROPYLENE	07	2
34536	1,2-DICHLOROBENZENE		07	2
32103	1,2-DICHLOROETHANE		07	2
34531	1,2-DICHLOROETHANE		07	2
34541	1,2-DICHLOROPROPANE		07	2
34346	1,2-DIPHENYL-	HYDRAZINE	07	2
34546	1,2-TRANS-DICHLORO- ETHYLENE		07	2
34551	1,2,4-TRICHLORO-	BENZENE	07	2
34566	1,3-DICHLOROBENZENE		07	2
34571	1,4-DICHLOROBENZENE		07	2
82388	1,4_____DIOXANE		11	2
39305	1,4'-DDT (O,P'-DDT)		11	2
82204	2-ACETYL AMINO-	FLOURCENE	07	2
77287	2-CHLOROANILINE	WHOLE WATER, UG	07	2
77046	2-CHLOROETHANOL		07	2
34576	2-CHLOROETHYL	VINYL ETHER (MI	07	2
34581	2-CHLORONAPHTHALENE		07	2
34586	2-CHLOROPHENOL		07	2
82232	2-ETHYL-2-METHYL-	DIOXOLANE	07	2
82191	2-NAPHTHYLAMINE		07	2
34591	2-NITROPHENOL		07	2
82226	2-SECONDARY BUTYL-	4,6-DINITROPHEN	07	2
39109	2,2-DICHLOROVINYL	DIMETHYLPHOSPHA	11	2
76993	2,2DIBROMO-3-NITRILOPROPIONAMIDE		07	2
77770	2,3,4,6-TETRACHLORO-PHENOL		07	2
34675	2,3,7,8-TETRACHLORO-DIBENZO-P-DIOXIN		11	2
34601	2,4-DICHLOROPHENOL		07	2
39730	2,4-DICHLOROPHENOXYACETIC ACID IN WATER		11	2
34606	2,4-DIMETHYLPHENOL		07	2
34616	2,4-DINITROPHENOL		07	2
34611	2,4-DINITROTOLUENE		07	2
39740	2,4,5 - T		11	2
34621	2,4,6-TRICHLORO-	PHENOL	07	2

06/86 PCS PRAMETER TABLE PAGE
TRC CLASS CODES BY PARAMETER NAME

PARAMETER	PARAMETER NAME	STORET CLASS	TRC CLASS
34626	2,6-DINITROTOLUENE	07	2
34631	3,3'-DICHLORO- BENZIDINE	07	2
34041	3,4,5 TRICHLORO- GUACACOL	07	2
34636	4-BROMOPHENYL PHENYL ETHER	07	2
34641	4-CHLOROPHENYL PHENYL ETHER	07	2
34646	4-NITROPHENOL	07	2
39310	4,4'-DDD (P,P'-DDD)	11	2
39320	4,4'-DDE (P,P'-DDE)	11	2
39300	4,4'-DDT (P,P'-DDT)	11	2
34657	4,6-DINITRO-O-CRESOL	07	2
34038	9,10 DICHLOROSTEARIC ACID	07	2
34037	9,10 EPOXYSTEARIC ACID	07	2

NOTE:

(1) TRC CLASS 1 IS NON-TOXIC
TRC CLASS 2 IS TOXIC

SOME PARAMETERS IN THE CAS SYSTEM, pH, DO, AND TEMP. HAVE BEEN CLASSIFIED AS TOXIC SOLELY FOR THE PURPOSES OF THE CAS PROGRAM FOR ASSIGNING POINTS

THESE PARAMETER NUMBERS ARE FROM EPA'S PCS SYSTEM.

VIRGINIA MUNICIPAL MAJORS

NOVEMBER 6, 1986

SWCB REGION	NPDES #		PERMITTEE	DESIGN FLOW (MGD)
N	VA0025160		ALEXANDRIA SANITATION AUTHORITY	54.0
N	VA0025143		ARLINGTON CO.	30.0
N	VA0025127		CITY OF FREDERICKSBURG	3.5
N	VA0061590		CULPEPER, TOWN OF	3.0
N	VA0024678		DALE SERVICE CORPORATION, SEC. 1, DALE CITY	2.0
N	VA0024724		DALE SERVICE CORPORATION, SEC. 8, DALE CITY	4.0
N	VA0025372		FAIRFAX CO., LITTLE HUNTING CR.	6.6
N	VA0025364		FAIRFAX CO., LOWER POTOMAC	36.0
N	VA0021377		LEESBURG, TOWN OF	1.3
N	VA0025101		PR. WILLIAM CO., MOONEY	12.0
N	VA0025658		SPOTSYLVANIA CO., MASSAPONAX CR.	3.0
N	VA0068110		SPOTSYLVANIA CO.-FMC	2.619
N	VA0060968		STAFFORD CO., AQUIA	3.0
N	VA0028096		STAFFORD CO., CLAIBORNE RUN	1.5
N	VA0024988		UPPER OCCOQUAN SEWAGE AUTHORITY	15.0
N	VA0021172		WARRENTON, CITY OF	1.0
P	VA0024899		ASHLAND, TOWN OF	1.22
P	VA0024996		CHESTERFIELD CO., FALLING CREEK	6.0
P	VA0060194		CHESTERFIELD CO., PROCTORS CREEK	4.0
P	VA0020346		EMPORIA, CITY OF	1.5
P	VA0021351		FARMVILLE, TOWN OF, BRIDGE ST. LAGOON	1.051
P	VA0029521		HANOVER CO., DOSWELL	2.5
P	VA0063960	*	HENRICO COUNTY, REGIONAL PLANT	30.0
P	VA0066630		HOPEWELL, CITY OF	50.0
P	VA0025437		PETERSBURG, CITY OF	15.0
P	VA0063177		RICHMOND, CITY OF	70.0
P	VA0020362		SOUTH BOSTON, CITY OF	2.0
P	VA0069337		SOUTH HILL, TOWN OF, REGIONAL PLANT	1.0
S	VA0026531		ABINGDON, TOWN OF	1.5
S	VA0025054		BLUEFIELD, CITY OF	2.75
S	VA0021075		GALAX, CITY OF	1.5
S	VA0020494		MARION, TOWN OF	1.7
S	VA0062821	*	SCOTT CO.-WEBER CITY REGIONAL PLANT	2.0
S	VA0067822	*	VANSANT-BIG ROCK	1.25
S	VA0020281		WYTHEVILLE, TOWN OF	2.0
T	VA0023922		FRANKLIN, CITY OF	1.0
T	VA0025208		HRSD, ARMY BASE	14.0
T	VA0062618		HRSD, ATLANTIC	36.0
T	VA0025283		HRSD, BOAT HARBOR	22.0
T	VA0025275		HRSD, CHESAPEAKE-ELIZABETH	24.0
T	VA0025241		HRSD, JAMES RIVER	20.0
T	VA0025259		HRSD, LAMBERTS POINT	30.0
T	VA0064459		HRSD, NANSEMOND	10.0
T	VA0025267		HRSD, WILLIAMSBURG	9.6
T	VA0064238		HRSD, YORK RIVER	15.0
T	VA0025003		PORTSMOUTH, CITY OF	15.0

VIRGINIA MUNICIPAL MAJORS

NOVEMBER 6, 1986

V	VA0025291		AUGUSTA CO. SERVICE AUTHORITY, FISHERSVILLE	2.0
V	VA0020991		BUENA VISTA, CITY OF	2.25
V	VA0065552	*	FREDERICK-WINCHESTER-OPEQUON	5.0
V	VA0062812		FRONT ROYAL, TOWN OF	2.0
V	VA0060640		HARRISONBURG-ROCKINGHAM REGIONAL SEWER AUTHORITY	8.0
V	VA0020567		LEXINGTON, CITY OF	2.0
V	VA0025518		RIVANNA WATER & SEWER AUTHORITY, MOORES CR.	15.0
V	VA0064793		STAUNTON, CITY OF	4.5
V	VA0025151		WAYNESBORO, CITY OF	4.0
V	VA0025135		WINCHESTER, CITY OF	5.36
W	VA0020451		ALTAVISTA, TOWN OF	1.8
W	VA0022390		BEDFORD, CITY OF	1.5
W	VA0060844		BLACKSBURG-VPI SANITATION AUTHORITY, STROUBLES CR.	6.0
W	VA0061751		CHRISTIANSBURG, TOWN OF	2.0
W	VA0022772		CLIFTON FORGE, CITY OF	2.0
W	VA0025542		COVINGTON, CITY OF	3.0
W	VA0060593		DANVILLE, CITY OF	24.0
W	VA0061654		HENRY CO. PUBLIC SERVICE AUTHORITY, UPPER SMITH RIVER	8.0
W	VA0024970		LYNCHBURG, CITY OF	22.0
W	VA0025305		MARTINSVILLE, CITY OF	8.0
W	VA0062685		PEPPERS FERRY REGIONAL WASTEWATER TREATMENT AUTH.	3.25
W	~~VA0025178~~		~~PULASKI, TOWN OF~~	~~2.0~~
W	~~VA0025526~~		~~RADFORD, CITY OF~~	~~2.5~~
W	VA0025020		ROANOKE, CITY OF	35.0

* PLANT NOT BUILT YET

VIRGINIA INDUSTRIAL MAJORS

NOVEMBER 6, 1986

SWCB REGION	NPDES #	PERMITTEE
N	VA0057011	EMERSON ELECTRIC CO., RIDGID KOLLMAN DIV., ORANGE
N	VA0005398	L. A. CLARKE & SON, INC., FREDERICKSBURG
N	VA0002071	VIRGINIA POWER, POSSUM POINT
P	VA0005291	ALLIED CHEMICAL CORP, HOPEWELL
P	VA0005312	ALLIED CHEMICAL CORP., CHESTERFIELD
P	VA0002780	AMERICAN TOBACCO COMPANY, HANMER DIV., CHESTERFIELD CO.
P	VA0001651	BURLINGTON INDUSTRIES, INC., CLARKSVILLE
P	VA0001643	BURLINGTON INDUSTRIES, INC., HALIFAX
P	VA0004669	DU PONT, SPRUANCE, RICHMOND
P	VA0001376	HALIFAX COTTON MILLS, INC., KEYSVILLE
P	VA0003077	ICI AMERICAS CORPORATION, HOPEWELL
P	VA0050822	J. P. STEVENS & COMPANY, INC., DRAKES BRANCH
P	VA0026557	PHILIP MORRIS, CHESTERFIELD CO.
P	VA0050156	REYNOLDS METALS COMPANY, RICHMOND SOUTH
P	VA0004782	SPURLOCK CHEMICAL CORP., WAVERLY
P	VA0003051	VIRGINIA DYEING & FINISHING, EMPORIA
P	VA0004146	VIRGINIA POWER, CHESTERFIELD
P	VA0004090	VIRGINIA POWER, SURRY
P	VA0001295	WEST POINT PEPPERELL, KEYSVILLE
S	VA0001015	APPALACHIAN POWER, CARBO
S	VA0001074	MOBAY, DAMASCUS
T	VA0003018	AMERICAN OIL COMPANY, YORKTOWN
T	VA0004189	ATLANTIC WOOD INDUSTRIES, PORTSMOUTH
T	VA0003654	BASF FIBERS, WILLIAMSBURG
T	VA0003115	CHESAPEAKE CORP., WEST POINT
T	VA0003433	HERCULES, INC., FRANKLIN
T	VA0004804	NEWPORT NEWS SHIPBUILDING AND DRYDOCK CO., NEWPORT NEWS
T	VA0059005	SMITHFIELD FOODS, INC., SMITHFIELD
T	VA0004162	UNION CAMP, FRANKLIN
T	VA0003387	VIRGINIA CHEMICALS, PORTSMOUTH
T	VA0004081	VIRGINIA POWER, CHESAPEAKE
T	VA0004103	VIRGINIA POWER, YORKTOWN
V	VA0001864	AILEEN, INC., EDINBURG
V	VA0002208	AVTEX FIBERS, INC., FRONT ROYAL
V	VA0004677	BURLINGTON INDUSTRIES, INC., GLASGOW
V	VA0027065	CROUSE HINDS COMPANY, EARLEYSVILLE
V	VA0002160	DU PONT, WAYNESBORO
V	VA0002402	GENERAL ELECTRIC COMPANY, WAYNESBORO
V	VA0054607	GENERAL ELECTRIC, CHARLOTTESVILLE
V	VA0002178	MERCK AND COMPANY, STONEWALL PLANT
V	VA0002771	MODINE MANUFACTURING COMPANY, BUENA VISTA
V	VA0001767	REYNOLDS METALS COMPANY, GROTTOES
V	VA0004138	VIRGINIA POWER, BREMO BLUFF
V	VA0052451	VIRGINIA POWER, NORTH ANNA
V	VA0001856	WAYN-TEX INC., WAYNESBORO

VIRGINIA INDUSTRIAL MAJORS

NOVEMBER 6, 1986

W	VA0000370	APPALACHIAN POWER, GLYN LYN
W	VA0003697	BABCOCK & WILCOX, NAVAL NUC. FUEL, LYNCHBURG
W	VA0000396	BURLINGTON INDUSTRIES, INC, NEWBERN
W	VA0001678	BURLINGTON INDUSTRIES, INC., ALTAVISTA
W	VA0000299	CELANESE COPORATION, NARROWS
W	VA0001601	DU PONT, MARTINSVILLE
W	VA0001619	FEDERAL MOGUL CORPORATION, BLACKSBURG
W	VA0000281	HERCULES, INC, PULASKI
W	VA0003450	HERCULES, INC., COVINGTON
W	VA0001554	J. P. STEVENS & COMPANY, INC, UNITED ELASTIC DIV., WOOLWINE
W	VA0001538	J. P. STEVENS & COMPANY, INC., BROOKNEAL
W	VA0003026	OWENS-ILLINOIS, BIG ISLAND
W	VA0001589	ROANOKE ELECTRIC STEEL, ROANOKE
W	VA0001660	U. S. GYPSUM, DANVILLE
W	VA0006408	VIRGINIA FIBRE CORPORATION, RIVERVILLE
W	VA0003646	WESTVACO CORPORATION, COVINGTON

VIRGINIA FEDERAL MAJORS

NOVEMBER 6, 1986

SWCB REGION	NPDES #	PERMITTEE
N	VA0002151	U.S.M.C., DEV. & EDUC. COMMAND, QUANTICO
N	VA0028363	U.S.M.C., QUANTICO MAINSIDE, QUANTICO
P	VA0025194	U.S. ARMY, FT. PICKETT
T	VA0025216	U.S. ARMY, FT. EUSTIS
T	VA0005487	U.S. NAVY, CRANEY ISLAND SUPPLY CENTER
T	VA0005215	U.S. NAVY, NORFOLK NAVAL SHIPYARD, PORTSMOUTH
T	VA0004421	U.S. NAVY, SEWELLS POINT, NORFOLK
W	VA0000248	RADFORD ARMY AMMUNITION PLANT, RADFORD