S. Department of the Inter
Water Quality Administration
Middle Atlantic Region
Charlottesville, Virginia

DOI Waiver Letter In ERU FILE

Federal Installation Survey Check List

PART I - Information to be supplied by Federal installation personnel.
Note: All questions may not be related to a particular installation.

I. General Description

A. Name of Installation Printing Services Building

Mailing Address Washington, D.C. 20505

Department _____ Agency CIA

B. Background data:

1. Size 59,400 SF

Location: City McLean County Fairfax

State Virginia

2. Receiving waters for surface drainage Potomac River

3. Waste Discharge Flows:

Domestic _____
Industrial _____ } Unknown
Other _____

4. Population:

Resident -0-
Nonresident _____

5. Water supply:

Source Falls Church system from Dalecarlia Reservoir

Volume used Unknown, no metering equipment

Treatment provided Normal at Dalecarlia; filtering within building

II. Waste Treatment and Disposal Facilities and Practices (note: Lay-out map of sanitary and storm sewers is desirable.)

A. Type of collection system:

1. Sewers:

Separate yes

Combined no

Sanitary Sewer remarks (age, infiltration, deterioration, etc.)

Approximately 3 years, new system

Storm Sewer remarks Approximately 3 years old

2. Sewage pumping stations NONE

Location or Identification	No. Pumps & Size	Overflows or Bypasses (Yes or No) If Yes, give point of discharge	Alternate Power Supply Avail.(Yes/No)	Other Fail safe Facil-ities, alarms, etc.

3. Is installation connected to a municipal system:

Yes X No _____. If no, has the feasibility of such a connection been considered? Yes _____ No _____

Remarks: _____

B. Domestic wastes:

Provide following information for each waste treatment plant and attach sketch or flow diagram of plant units. (Refer to page for septic tank - tile field systems.)

1. Briefly describe area served by system Immediate Plant

2. Effluent discharged to (Name of stream) Potomac River via Municipal Treatment Plant (Blue Plains)

3. Design Flow Unknown GPD

4. Year constructed Unknown

5. Performance and loading Unknown

Flow (MGD)			BOD (MG/l)		Settleable Solids (MG/l)		Suspended Solids (MG/l)		Plant Reduction Percent		
Ave.	Peak	Min.	Raw Sewage	Final Effluent	Raw Sewage	Final Effluent	Raw Sewage	Final Effl.	BOD	Set. Sol.	Sus. Sol.
		See Addendums									

6. Chlorination At Dalecarlia for incoming water and at Blue Plains for sewage outflow

a. Are chlorination facilities provided: Yes X No _____

Blue Plains

b. Points of application

Pre _____ Post _____ Other _____

c. Is chlorination continuous? Yes _____ No _____

7. Have any complaints been received regarding the operation of the plant? Yes X No _____

If yes, give date, source and nature of complaint._____

_____

_____

8. Check treatment components that apply to plant. (Blue Plains)

(a) Bar Screens _____
(b) Grit Chamber _____
(c) Comminutor _____
(d) Metering Devices _____
(e) Primary Sedimentation _____
(f) Imhoff tank _____
(g) Separate Sludge Digestion Heated ____ Unheated ___ _____
(h) Aeration (Act.Sludge) _____
(i) Final sedimentation _____
(j) Sand filter _____
(k) Chlorine contact tank _____
(l) Holding or equalization tanks _____
(m) Lagoons _____
(n) Chemical Percipitation _____
(o) Sludge Drying Beds _____
(p) Trickling Filters _____

Are any of the components overloaded? Blue Plains presently overloaded

Recirculation amount and points _____

Indicate ultimate disposal of digested sludge landfill near Wilson Bridge

9. Are sewage bypasses provided? Yes X No _____

If yes, are they sealed or unavailable for use? Yes___ No ___

10. Other waste treatment facilities (Septic tanks - tile fields, septic tank-sand filters, small lagoons, etc.)

Location - Area served	Design Capacity 1/	Present Loading 1/	Effluent Disinfection 2/	Remarks

1/ Indicate either flow or population served

2/ Complete for those systems having other than ground disposal

Are septic tank systems checked for solids buildup on a routine basis? Yes_____ No_____
If Yes, indicate frequency_____

What is the ultimate disposal point of solids removed from septic tanks_____

_____

C. Industrial Waste Inventory (including cooling water, boiler blowdown, air conditioning bleedoff, radiological, etc.) Note: Use separate industrial waste check list for large complex industrial processes.

SOURCE	Water FLOW (GPD)	Waste Constituents & Concentrations mg/l or lbs./day	Type and Degree of Treatment	Point of Discharge
		See attached sheets	None in bldg.	To sewer

Remarks:
Amount of chemicals added in lbs/day to blowdown: Phosphate ____ Tannin _____
Sulfites _____ Other _____

Amount of chemicals added in lbs/day to Air Conditioning systems: Chromates_____ Acid_____
other _____

D. Other wastes:

1. Wastewater from water treatment plant (volume, treatment provided, and point of discharge). N.A.

_____

_____

2. Vehicle washing (number and frequency of vehicles washed, detergent used and point of discharge). NONE

3. Other:

N.A.

III. Laboratory Facilities, Operating Personnel and Records

A. Operating Personnel:

1. Type and Number

Type	Number	Number Certified or Licensed	Man Hours Per Week
Superintendent			
Operators			
Laboratory Technicians			
Laborers			

2. Are operators at plant(s) 24-hours per day? _____. If "no" give schedule _____

3. Do operators routinely attend short courses or schools? Yes___ No ___

B. Describe laboratory facilities and equipment available. _____

C. Laboratory Test Performed (Specify frequency of tests, daily, weekly, etc.)

Test	Raw Sewage	Primary Effluent	Mixed Liquor	Final Effluent	Sludge			Receiv Stream
					Raw	Supernatant	Dig	
BOD								
Suspended Solids								
Suspended Volatile Solids								
Settleable Solids								
Total Solids								
Volatile Solids								
D. O.								
pH								
Temperature								
Coliform Density								
Residual Chlorine								
Volatile Acids								
MB Stability								
Other								
Other								

D. Are operating and laboratory records maintained? Yes____ No _____
Describe records and data maintained: _____

_____

Where are they kept? _____

E. Operating manuals and procedures available for operators, including reference books and standard methods for laboratory analysis: N.A.

IV. Storage and Handling of Hazardous Materials

A. Inventory of Hazardous Materials (oils, gases, fuels, acids, heavy metals, solvents, chemicals, and other materials capable of causing water pollution if spilled).

Type Material	Quantity Stored	Storage Facility diked, underground, etc.	Location
Oils, Solvents	300 gallons max.	1 gal. cans & 55 gal. drums	Solvent storage room in bldg.
SEE ATTACHED SHEET FOR CHEMICAL INVENTORY			

B. What housekeeping methods are used to prevent spills and what procedure is used for disposal of spilled material? (discuss) Oils and solvents are absorbed into media, packaged, and shipped out of the plant with unclassified trash; reusable industrial rags to laundry.

C. Is any mercury stored or routinely used at the installation? Yes? X No ___ If yes, indicate amount and purpose for which used Approximately 10 pounds; used for calibrating manometers.

D. Pesticides and Herbicides? Indicate type, amount and frequency used None, except as introduced into building by GSA exterminators.

V. Improvements Proposed by Installation

Describe any improvements proposed for water pollution control, prevention or abatement in the future, and schedule for improvements.

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