

STATE OF OHIO (DAS)CLASSIFICATION
SPECIFICATION**CLASSIFICATION SERIES:**

Environmental Engineer

SERIES NUMBER:

8571

MAJOR AGENCIES:

Environmental Protection Agency, Public Utilities Commission

EFFECTIVE:

04/26/2009

SERIES PURPOSE:

The purpose of the environmental engineer occupation is to review construction sites, engineering plans, waste treatment facilities, &/or permit &/or construction applications & provide technical assistance to outside agencies industries & general public.

At the two lower levels, incumbents review applications, or assist in administration of programs respectively.

At the two higher levels, incumbents administer program activities of division, or act as assistant division chief, or administer statewide water treatment program or act as chief engineer.

JOB TITLE

Environmental Engineer 2

JOB CODE

85712

PAY GRADE

32

EFFECTIVE

03/26/1990

CLASS CONCEPT:

The second full performance level works under general supervision & requires considerable knowledge of engineering in order to review & process permit & construction applications & recommend action to be taken.

JOB TITLE

Environmental Engineer 3

JOB CODE

85713

PAY GRADE

13

EFFECTIVE

04/26/2009

CLASS CONCEPT:

The third full performance level, class works under direction & requires thorough knowledge of engineering in order to assist in administration of public health programs.

JOB TITLE

Environmental Engineer 4

JOB CODE

85714

PAY GRADE

14

EFFECTIVE

04/26/2009

CLASS CONCEPT:

The supervisory level class works under general direction & requires thorough knowledge of engineering in order to administer program activities of division.

JOB TITLE

Environmental Engineer 5

JOB CODE

85715

PAY GRADE

15

EFFECTIVE

01/09/2005

CLASS CONCEPT:

The managerial level class works under general direction & requires thorough knowledge of engineering in order to act as assistant division chief in Environmental Protection Agency, or chief engineer in Department of Health, or supervise all water & sewage treatment plant personnel engaged in statewide sanitation activities in Department of Natural Resources.

<u>JOB TITLE</u>	<u>JOB CODE</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY GRADE</u>
Environmental Engineer 2	85712	13	03/26/1990	32

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Reviews & processes permit & construction applications & recommends action to be taken (e.g., approval, disapproval or more information required) to comply with state & federal standards.

Provides technical services to other agencies, industries & general public when requested; advises district engineers, architects & consulting engineers on interpretation of state & federal environmental pollution guidelines; investigates complaints from citizens & other governmental agencies concerning pollution & takes appropriate action.

Inspects existing waste treatment & disposal facilities for stable control devices; reviews & evaluates engineering plans for new waste treatment & disposal facilities.

Participates in professional engineering seminars & educational meetings for self enrichment; prepares technical manuals & reports dealing with environmental engineering & pollution control.

MAJOR WORKER CHARACTERISTICS:

Knowledge of engineering; government structure & process*; office practices & procedures*. Ability to define problems, establish facts, & draw valid conclusions; use calculus; write instructions & specifications; gather & classify information according to established methods; handle contacts with public & government officials; interpret an extensive variety of technical material in books, journals, & manuals; write & edit articles on environmental engineering.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Engineering degree from recognized school or college which has been accredited by Accreditation Board for Engineering & Technology; valid certificate as Engineer-In-Training issued by Ohio Board of Registration for Professional Engineers & Surveyors, 3 yrs. engineering related exp.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

N.A

UNUSUAL WORKING CONDITIONS:

N.A.

<u>JOB TITLE</u>	<u>JOB CODE</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY GRADE</u>
Environmental Engineer 3	85713	EX	04/26/2009	13

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Assists in administering public health programs in district office (e.g., waste-water, land pollution control, cross-connection & backflow prevention) to ensure conformance with policies, procedures & state regulations for pollution control, supervises lower-level engineers, assigned to unit, in administration of programs & assists in preparation of budgets.

Serves as consultant to owners, builders, managers, immediate district & other government agencies; assists office staff with interpretation & implementation of unit policies & guidelines.

Conducts special studies on matters pertaining to environmental engineering; studies & recommends changes in established policies & guidelines.

Reviews sites & plans for proposed waste facilities & recommends approval, disapproval or revisions necessary to comply with guidelines; inspects waste control facilities operations; writes reports to supervisor if any operational problems are found.

Conducts training seminars for personnel on operation & testing of environmental pollution control facilities; prepares & distributes informational & educational material concerning environmental engineering; handles citizen complaints concerning pollution.

MAJOR WORKER CHARACTERISTICS:

Knowledge of engineering; employee training & development safety practices*; office practices & procedures*; government structure & process*; biology; chemistry; budgeting*. Ability to understand engineering; write instructions & specifications; establish friendly relationships as supervisor of work unit; collect data according to established methods; interpret extensive variety of technical material in books, manuals & journals; deal with a large number of variables & determine specific course of action; write & edit articles on technical material; resolve complaints from citizens.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Certificate of registration as professional engineer issued by Ohio Board of Registration for Professional Engineers & Surveyors; 2 yrs. exp. as registered professional engineer.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

N.A.

UNUSUAL WORKING CONDITIONS:

N.A.

<u>JOB TITLE</u>	<u>JOB CODE</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY GRADE</u>
Environmental Engineer 4	85714	EX	04/26/2009	14

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Administers program activities of division, develops criteria, standards & policies for implementation of programs & prepares budgets & written reports on accomplishments of division & submits to department chief.

Supervises & participates in review of engineering plans, special studies, programs, revisions of construction grants, permit processing, plant inspections & related activities.

Maintains technical center to gather & dispense information on environmental pollution control; prepares & delivers speeches on environmental engineering; speaks to general public & other government agencies on goals, policies & problems of pollution control.

MAJOR WORKER CHARACTERISTICS:

Knowledge of engineering; government structure & process*; management; supervision; office practices & procedures*; budgeting. Ability to understand all aspects of engineering; write instructions & specifications; use calculus; gather & classify data; establish friendly relations as manager of division, prepare & deliver speeches before general public; interpret extensive amount of technical material.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Certificate of registration as professional engineer issued by Ohio Board of Registration for Professional Engineers & Surveyors; 3 yrs. exp. as registered, professional engineer, 6 months of which was as lead worker or supervisor or in administrative capacity.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

N.A

UNUSUAL WORKING CONDITIONS:

N.A.

<u>JOB TITLE</u>	<u>JOB CODE</u>	<u>B. U.</u>	<u>EFFECTIVE</u>	<u>PAY GRADE</u>
Environmental Engineer 5	85715	EX	01/09/2005	15

JOB DUTIES IN ORDER OF IMPORTANCE: (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

A - In Environmental Protection Agency, acts as assistant division chief over division having statewide responsibility in central office location only, supervises assigned staff & assists in developing programs & budget;

OR

B - In Department of Natural Resources, administers all water & sewage treatment plant personnel engaged in sanitation activities statewide & provides technical supervision for operation & maintenance of treatment plants & swimming pools;

OR

C - In Department of Health, acts as chief engineer managing statewide engineering program to include engineering evaluation, plan review & construction inspection for swimming pools, manufactured home parks, campground & marina programs & supervises statewide technical & professional personnel engaged in plan review & represents Director of Health as member of Ohio Board of Building Standards as required in Section 3781.07, Ohio Revised Code.

Participates in formulation of policy statements for programs & operations of assigned large division in central office; represents supervisor or director at meetings with company representatives or local, state & federal officials; conducts meetings with other government agencies & private organizations when necessary to implement agency programs.

Submits monthly activity reports; prepares correspondence & administrative reports.

MAJOR WORKER CHARACTERISTICS:

Knowledge of supervision/management; employee training & development; applicable federal, state & agency regulations governing environmental protection programs; environmental engineering program area (e.g., air waste-water, water supply, hazardous & solid waste; or water quality monitoring & assessment); public relations. Ability to deal with large number of variables & determine specific course of action; use calculus; establish friendly atmosphere as supervisor of district, prepare meaningful, concise & accurate reports.

(*)Developed after employment.

MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:

Registered as professional engineer in State of Ohio per Section 4733.17 of Revised Code; 12 mos. administrative &/or supervisory exp. 4 yrs. engineering exp. in one or more of following environmental areas;(e.g., air, waste-water, water supply, hazardous &/or solid waste, water quality monitoring & assessment or water & sewage treatment, swimming pools, storm drainage &/or site design or other comparable environmental protection area regulated by state &/or federal law).

-Or alternative, equivalent of Minimum Class Qualifications For Employment noted above may be substituted for the required experience, but may not for the mandated licensure.

TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:

N.A

UNUSUAL WORKING CONDITIONS:

N.A.