

Board for Professional Soil Scientists, Wetland Professionals, and Geologists
GEOLOGICAL WORK EXPERIENCE LOG

Page ___ of ___

TO BE COMPLETED & SIGNED BY APPLICANT'S SUPERVISOR

Number the pages according to the total number submitted (i.e., 1 of 3, 2 of 3, etc.) in the upper right-hand corner.
A SEPARATE FORM MUST BE COMPLETED AND SUBMITTED FOR EACH EMPLOYER VERIFYING YOUR EXPERIENCE.

1. Applicant's Name _____
Last First Middle Generation

2. Provide **one** of the following identification numbers.

Social Security Number or Virginia DMV Control Number* - -

* State law requires every applicant for a license, certificate, registration or other authorization to engage in a business, trade, profession or occupation issued by the Commonwealth to provide a social security number or a control number issued by the Virginia Department of Motor Vehicles.

3. Employer's Name & Mailing Address _____

City State Zip Code

4. Was the experience obtained under the supervision of a qualified or certified professional geologist?

No

Yes If yes, provide your (Supervisor's) certification number and expiration date below:

Virginia License Number Expiration Date _____

5. Was the applicant in responsible charge of geological work as defined in Section 18VAC145-40-70.A.5 of the Board's regulations?

No

Yes

6. Dates of Employment From: _____ To: _____
MM/DD/YYYY MM/DD/YYYY

7. Applicant's job title during the employment period noted above: _____

8. Applicant's Specific Experience: (Check all that apply.)

A. *Mineralogy:*

- Identify and classify major rock types.
- Identify mineral assemblages.
- Determine probable genesis and sequence of mineral assemblages.
- Identify minerals on the basis of chemical composition.
- Predict subsurface mineral characteristics on the basis of exposure and drillholes.

Additional Information:

B. Petrography/petrology:

- Identify and classify major rock types.
- Determine physical properties of rocks.
- Determine chemical properties of rocks.
- Determine types or degrees of rock alteration.
- Determine suites of rock types.

Additional Information:

C. Geochemistry:

- Establish analytical objectives and approaches.
- Evaluate geochemical data.
- Construct models based on results of geochemical analysis.
- Make recommendations based upon result of geochemical analyses.

Additional Information:

D. Hydrogeology:

- Design and interpret hydrologic testing programs.
- Utilize chemical data to evaluate hydrogeologic conditions.
- Apply geophysical methods to analyze hydrogeologic conditions.
- Determine physical and chemical properties of aquifers and vadose zones.
- Determine groundwater flow systems.
- Evaluate groundwater resources.
- Evaluate groundwater quality.
- Design wells and drilling programs.
- Develop groundwater resource management plans.
- Plan and evaluate remedial action programs.

Additional Information:

E. Engineering Geology:

- Provide geological information and interpretation for engineering design.
- Identify and evaluate potential seismic and other geologic hazards.
- Provide geologic consultation during and after construction.
- Develop and interpret engineering geology maps and sections.
- Evaluate materials resources.
- Define and establish site selection and evaluation criteria.
- Design and implement field and laboratory programs.
- Describe and sample soils for geologic analysis and materials properties testing.

Additional Information:

F. Mining Geology:

- Formulate exploration programs.
- Implement field investigations on prospects.
- Perform geologic interpretations for mineral reserves.
- Perform economic analyses/appraisals.
- Provide geologic interpretations for mine development and production activities.
- Provide geologic interpretations for mine abandonment, closures, or restorations.

Additional Information:

G. Petroleum Geology:

- Formulate exploration programs.
- Implement field investigations on prospects.
- Perform geologic interpretations of physical properties and hydrocarbon reserves.
- Perform petroleum economic analyses/appraisals.
- Provide geologic interpretations for development and production activities.
- Provide geologic interpretations for abandonment, closures, or restorations.

Additional Information:

H. Describe other geological work experience:

8. Name and Title of Supervisor _____
Name Title

Supervisor's Telephone & Fax Numbers _____
Primary Telephone Fax

9. I certify that to the best of my knowledge all information provided on this form is true and accurate.

Supervisor Signature _____ Date _____