



A P E G S

*Association of Professional Engineers
& Geoscientists of Saskatchewan*

300 4581 Parliament Avenue, Regina, Saskatchewan S4W 0G3

T (306) 525 9547 F (306) 525 0851 Toll Free: 1 800 500 9547

www.apegs.ca apegs@apegs.ca

Examples of Scopes of Practice - Engineering

- Chemical Engineering, process design: well site facilities.
- Civil Engineering: municipal water supply distribution and treatment facilities.
- Civil Engineering: municipal sanitary sewage collection and treatment facilities.
- Civil Engineering: geotechnical, terrain and terrain stability mapping plus on-site terrain and terrain stability assessments.
- Civil Engineering: structural design of precast pre-stressed concrete products.
- Civil Engineering: structural component design for buildings of one to three storeys for industrial use.
- Civil Engineering: foundation design and inspection of residential buildings.
- Electrical Engineering: control and instrumentation systems for natural gas transportation and natural gas processing plants.
- Electrical Engineering: solid state induction motor starters.
- Electrical Engineering: Teaching and Research.
- Engineering Physics: Teaching and Research.
- Environmental Engineering: Phase I and II environmental site assessments; contaminated site remediation.
- Mechanical Engineering: petroleum distribution facilities and service stations (excluding refining process).
- Mechanical Engineering: HVAC, plumbing, fire protection, and energy management systems for one-to-three storey industrial buildings.
- Mechanical Engineering: machine design and finite element analysis for agricultural products.
- Mechanical Engineering, stress analysis: stress and vibration testing analyses on machine components.
- Metallurgical Engineering: corrosion mitigation; pressure equipment, piping and associated components for petrochemical and oil and gas facilities.
- Mine Engineering: materials handling and pumping/piping systems for potash mines.
- Petroleum Engineering: oil and gas reservoirs, reserves, production rates and economic values.
- Petroleum Engineering: oil and gas well drilling, completion, work-over and abandonment.



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- Management: Engineering management, business development, project management, risk management, contract management, project proposals, engineering economics, internal/external stakeholder relations

Examples of Scopes of Practice - Geoscience

- Environmental Geoscience: hydrology, soil and remediation
- Environmental Geoscience: groundwater modeling, supply and dewatering
- Environmental Geoscience: site assessment and remediation
- Geochemistry: exploration and quality assurance for gold, uranium, diamond and nickel
- Geology: geological surveys and doing ore reserve estimations for base/precious metals.
- Geology: mineral exploration and development for uranium.
- Geology: mineral exploration, data interpretation and mapping
- Geology: wellsite geology
- Geology: hydrogeology and groundwater development
- Geology: soil geochemistry
- Geology: petroleum well site analysis and supervision
- Geology: mineral exploration, economics, mapping
- Geological Engineering: drilling and well placement for oil and gas
- Geophysics: resource and environmental exploration
- Geophysics: seismic and log interpretation
- Geophysics: mineral exploration
- Geoscience: Hydrogeology, groundwater assessments and regulatory compliance
- Geoscience: oil and gas exploration and development
- Petroleum Geology: exploration, development and reporting on oil and gas reserves
- Management: Geoscience management, business development, project management, risk management, contract management, project proposals, geoscience economics, internal/external stakeholder relations