

RESUME

for

MARK McCLELLAND, C.E.T

(Senior Lab Technologist)

EDUCATION

Civil Engineering Technology – St. Lawrence College, Kingston
Part-time studies – Queen's University, Kingston

ORGANIZATIONS

Ontario Association of Certified Engineering Technicians and Technologists
Kingston Construction Association/Quinte Construction Association
C.C.I.L.

CERTIFICATIONS

Nuclear densometer training certificate
Windows and Word Perfect certificate
CCIL- Type B- Superpave Hot Mix Asphalt Laboratory
CCIL – Type C- Aggregate Laboratory Technician

PROFESSIONAL EXPERIENCE

14 Years of experience with sampling and testing of Concrete, Pavement and Aggregate.

1997 - Present

Field/Laboratory Supervisor - DBA ENGINEERING LTD

1993 - 1997

Field/Laboratory Supervisor – Inspec-Sol (Ont.) Ltd., Kingston, Ontario

Laboratory Testing

- Asphalt quality control testing (asphalt content, gradation and Marshall properties)
- Asphalt mix design
- Petrographic analysis
- Concrete, grout and mortar compressive strength testing
- Soil classification
- Aggregate acceptance testing
- CCIL certified Type A, B, C and D

Field Inspection and Quality Control Lab Technologist - DBA ENGINEERING

- Field density testing on earth, aggregates, hot
- Subgrade inspection
- Concrete testing to CSA specifications
- Grout and Mortar testing to CSA specifications
- Built up roofing inspection
- Structural Steel inspection

Typical Projects and Experience

- MTO Contract 40-97, Hwy.30 – APCT and QCT
- Hwy.17, Petawawa, MTO Superpave Test Section – QC Testing
- Various Roadways, County of Hastings Contract 15-97 – field testing cold
In place recycling & hot mix paving.
- Highway 401, Median Barrier, Bot Construction (MTO) – field testing concrete
Asphalt.
- Highway 401, paving, Dibblee Construction (MTO) – compaction control
- Lafarge Construction – quality control aggregate testing various pits & quarries
- Tackaberry Construction – quality control aggregate testing various pits & quarries
- Alcan Aluminium, Kingston, Williamson Plant expansion – quality control inspection
On concrete, soil, aggregate, structural steel, roofing
- Proctor and Gamble, Belleville & Brockville – quality control inspection on
concrete, soil, aggregate, structural steel, roofing