

Awards

Award of Excellence 2011

Municipal Engineering Category

Consulting Engineers
of British Columbia

District of Kent
Duncan-Batson Pump Station

Award of Merit 2011

Municipal Engineering Category

Consulting Engineers
of British Columbia

Abbotsford Mission Water &
Sewer Services
Dickson Lake Upgrades

Award of Excellence 2009

Municipal Engineering Category

Association of Professional
Engineers & Geoscientists of
British Columbia

Award of Excellence 2009

Municipal Engineering Category

Consulting Engineers
of Canada

District of West Vancouver
Eagle Lake Membrane
Water Treatment Facility

Award of Excellence 2009

Municipal Engineering Category

Consulting Engineers
of British Columbia

Gold Award 2009
Water & Wastewater Category
American Council of Engineering
Companies of Washington

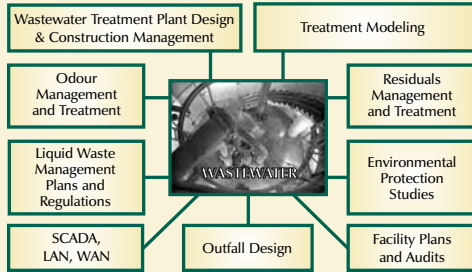
Honor Award Local Civil Engineering Achievement 2009

American Society of
Civil Engineers

King County, Washington State
Design/Build of the
Brightwater Marine Outfall

Opus DaytonKnight was incorporated in British Columbia in 1965. The company is largely made up of technicians and professional engineers. Management rests with senior engineers who are active in the day-to-day activities of the organization.

Fields of specialization include sewage collection, treatment, disposal, and reclaimed water reuse; water supply, treatment, and distribution; stormwater management; solid waste management; SCADA systems; trenchless technology; and asset management.



OFFICES:

#210-889 Harbourside Drive,
North Vancouver, B.C., Canada, V7P 3S1
Phone: 604-990-4800; Fax: 604-990-4805
Email: info@opusdaytonknight.com

#305-2722 Allwood Street,
Abbotsford, B.C., Canada, V2T 3R7
Phone: 604-852-9256; Fax: 604-852-9240
Email: abbotsford@opusdaytonknight.com

#308-809 Manning Road,
Calgary, A.B., Canada, T2E 7M9
Phone: 403-207-6000; Fax: 403-207-6045
Email: calgary@opusinternational.ca

#80 Bishop Drive,
Fredericton, NB, Canada, E3C 1B2
Tel: 506-451-0055; Fax: 506-451-4838
Email: fredericton@opusinternational.ca

#255-1715 Dickson Avenue,
Kelowna, B.C., Canada, V1Y 9C6
Phone: 250-868-4925; Fax: 250-868-4923
Email: kelowna@opusinternational.ca

#101-2700 Queensway Street,
Prince George, B.C., Canada, V2L 1N2
Phone: 250-562-0038; Fax: 250-562-0058
Email: princegeorge@opusdaytonknight.com

#1-3772 Fourth Avenue, Box 939
Smithers, B.C., Canada, V0J 2N0
Phone: 250-847-1913; Fax: 250-847-1914
Email: smithers@opusdaytonknight.com

#850-1185 West Georgia Street,
Vancouver, B.C., Canada, V6E 4E6
Phone: 604-684-4488; Fax: 604-684-5908
Email: vancouver@opusinternational.ca

#401-707 Fort Street,
Victoria, B.C., Canada, V8W 3G3
Phone: 250-952-5640; Fax: 250-920-5620
Email: victoria.office@opusinternational.ca

For further information: Please contact: Victor Wong,
P.Eng. at our North Vancouver Office. Or, visit our
website at: www.opusdaytonknight.com

*As of 15 Nov 2010 Dayton & Knight Ltd. became Opus DaytonKnight Consultants Ltd.

Wastewater Treatment



OPUS DAYTONKNIGHT



OPUS

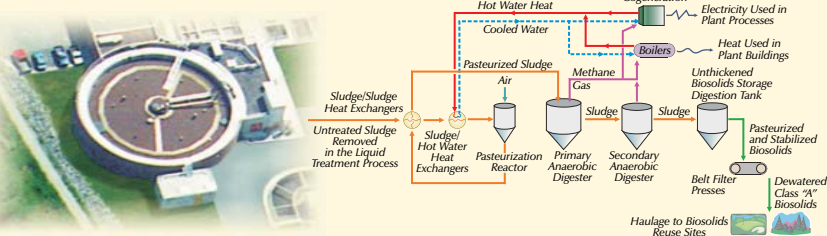
Wastewater Treatment

Since 1965 **Opus DaytonKnight** has assisted in the development of traditional and innovative solutions to secure our clients' needs on wastewater collection, treatment and reuse through: research, wastewater management planning, development cost charge determination, liquid waste management planning, sewerage design, wastewater facility audits and planning, detailed designs, construction management, project management, partnering, design-build, operation training, documentation certification of facilities, environmental impact assessments and studies, energy audits, expert systems analyses and post construction services.

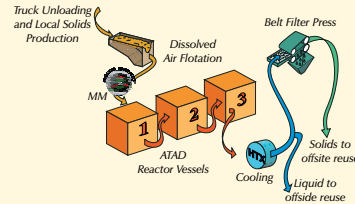
Innovative programs include:

- Prepasteurization using air for biosolids treatment
- Thermophilic stabilization technologies
- Enhanced biological nutrient removal using trickling filter technology for low cost operation
- Cogeneration facilities using methane for heating
- Research and development of process improvements for enhanced biosolids dewatering, thermophilic digestion, recovery of volatile acids for enhancing biological phosphorus removal
- Low cost filtration and reuse solutions
- Use of trickling filter solids contact
- Cold weather treatment
- Trenchless technologies
- Microwave drying of biosolids
- Heat pump systems
- Odour control including UV
- Fuel cell technology for anaerobic digester gas conversion to power

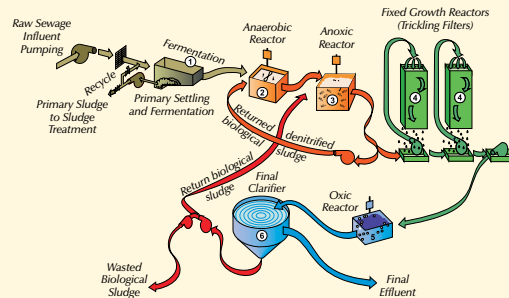
J.A.M.E.S. Dual Digestion Process



French Creek Autothermal Thermophilic - Aerobic Digestion (ATAD)



Salmon Arm Biological Nutrient Removal Facility



Wastewater Treatment

Process Research and Development

- Autothermal thermophilic aerobic digestion (ATAD)
- Biological nutrient removal
- Phosphorus reduction, animal waste treatment
- Membrane technologies

Wastewater Treatment

- Preliminary, primary and secondary treatment
- Advanced treatment including enhanced biological nutrient removal (EBNR)
- Odour control
- Disinfection

Biosolids Management

- Thickening
- Treatment
- Odour control
- Dewatering
- Beneficial reuse
- Land application

Use of Reclaimed Water

- Urban irrigation
- Agricultural irrigation
- Stream augmentation
- Industrial
- Dual distribution systems

Wastewater Collection and Treatment

- Wastewater treatment plants
- Treatment plant optimization
- Sewage collection pipework system
- Pump stations and syphons
- Detailed engineering, procurement and construction management
- Sludge handling and disposal
- Treatment of industrial effluent

Asset Management

- Solids and liquid waste management plans
- Facility plan
- Environmental impact assessment
- Condition Assessment
- Economic studies assessment
- Risk assessment

Effluent Disposal

- Marine and river outfalls
- Discharges to land