cooperative governance
Department:
Cooperative Governance
REPUBLIC OF SOUTH AFRICA

MUNICIPAL INFRASTRUCTURE SUPPORT AGENT (MISA)

MISA
MUNICIPAL INFRASTRUCTURE SUPPORT AGENT
Today, Creating a Better Tomorrow

CPD 2 credits (ECSA)

Getting Acquainted with being a Resident Engineer on Pipeline Projects

The Municipal Infrastructure Support Agent (MISA) in partnership with SAICE Professional Development & Projects (SAICE-PDP) invites you to attend this 2-day course to guide Resident Engineers on pipeline and reticulation projects on their specific functions, roles and responsibilities on site.

Attend this course and learn about:

- The duties of the Resident Engineer
- Dealing with the Client, Engineer, Contractor, Community, and other role players
- Relationships, ethics and responsibilities
- Quality control and quality assurance
- Inspections, tests and approval of construction activities
- Method statements
- Measurement and payment certificates
- Supervision and site management, including good record keeping

Benefits include:

- Comprehensive training manual for pipeline supervision that will serve as a reference manual
- Checklists for excavation, bedding, pipe laying, backfill and structures
- Supervision advice and tips
- List of key success factors
- 2 CPD credits (ECSA)

Presenter:

John Cato Pr Eng, BSc (Civil)

COURSE SCHEDULE

Venue:

Dates:

Time:

REGISTRATION

To register, visit www.saicepdp.org
For more details contact Nompumelelo Nyaba
Email Nompumelelo@saicepdp.org /
Tel: 011 476 4100

WHO SHOULD ATTEND

The course helps municipal attendees to apply their theoretical training in practice. It is therefore recommended for:

- Municipal engineers, technologists and technicians
- Assistant Resident Engineers, Principal Agents, Employer's Agents representatives, or Project Engineers from Government bodies working on pipeline construction projects
- Resident Engineers, Employer's Agents representatives or Principal Agents with limited experience

COURSE OUTLINE

CONSTRUCTION PROJECTS

- Functions and focus of role players
- Contractual matters and documents
- Resident Engineer's duties and responsibilities
- Effective engagement with the community
- Site establishment

QUALITY ASSURANCE

- Quality Control Plan (QCP)
- Registers and inspection requests
- Method statements and trial sections
- Visual inspections
- Checklists
- Material testing

SITE SUPERVISION PIPELINES

- Setting out
- Excavation
- Bedding and backfill
- Pipe laying
- Valves and fittings
- Structures
- Testing and commissioning

SITE SUPERVISION

- Project Life Cycle and Knowledge Areas
  - Time management - Timeous decisions
  - Scope management - Contract documentation
  - Cost management - Payment certificates
  - Quality management - Specifications
  - Risk management - Risk mitigation
- Problem solving techniques
- Key success factors
  - Good relationships
  - A balance between too strict and too lenient
  - Applying the give and take principle
  - Engineering judgement
- Traits of a good Resident Engineer

WHAT TO BRING TO THE COURSE

- Pencil and eraser
- Ruler
- Scientific calculator

For **online** courses, it is recommended to have the following installed on your computer:

- MS Excel
- The Zoom app

ABOUT YOUR FACILITATOR

John Cato completed his BSc(Civil) at the University of Kwazulu Natal and started his career at Group Five Roads. He then moved to consulting engineers and designed and supervised various infrastructure projects. He also worked in Ireland designing and implementing various water, sewer, stormwater and roads projects.

Upon his return to South Africa, he implemented and supervised various water infrastructure projects from pipelines, RC reservoirs, rising mains and treatment works. He recently supervised the construction of a bulk water pipeline for Rand Water.

saice professional development & projects
saice
A Non-Profit Company (NPC)

SAICE-PDP's Municipal Academy was established to support practitioners employed in local government with applying theoretical knowledge and relevant legislation in practice.

municipal academy
the road to service delivery

MISA
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MISA's mandate is to provide technical support and advice to municipalities, whilst strengthening their capacity, for effective infrastructure planning, delivery, operations and maintenance.