



**MINUTES OF THE
140th SANCOLD MANAGEMENT COMMITTEE MEETING
At 09:00 on Tuesday 28 February 2023 at The ARQ PTA Office and online (Hybrid)**

Action

1. OPENING AND WELCOME

The Chairperson, Quentin Shaw, opened the meeting and welcomed all. QS also paid tribute to the late DJ Hagen.

2. ATTENDANCE, APOLOGIES AND QUORUM

Attendance

Duncan Grant-Stuart		DGS
Shenaaz Hoosen		SH
Comfort Mahlabela		CM
Jacques du Plessis		JdP
Cherie Starke		CS
Kogi Naidoo		KN
David Cameron-Ellis	Treasurer	DCE
Xolani Mdletshe		XM
Mongezi Gxamza		MG
Michelle Blaeser		MB
Robert Greyling		RG
Henry-John Wright	Chairperson	HJW
Quentin Shaw	Past-Chairperson	QS
Janice Zhang		JZ
Danie Badenhorst		DB
Leon Furstenburg	Technical Secretary	TSec
Chikondi Gurira	Admin Secretary	CG
Senzo Masikane	Administrative Assistant	SM

Apologies

Apologies were received from Robert Greyling (RG), Guy Robertson (GR), Ashley Coetzee (AC), Sego Kelefetwe (SK), Marco van Dyk (MvD), Wally Ramokopa (WR) and Gerald de Jager (GdJ).

Quorum

A quorum was present.

3. AGENDA (Amendments and adoption)

ICOLD Support for 2023 to be added under item 8.3 – ICOLD Matters.
Selection of new Chairperson to be added under item 5.1 – Management Committee.

The agenda was adopted.

4. MINUTES OF MC 139

Minutes of MC 139 were approved with the below amendments.
Proposer: DGS and Secunder: HJW.

5.2, line 2	Change 'clarify' to 'clarity'.
5.6, par. 2, last point	Replace "ICOLD has a system in place" with "ICOLD is looking into a system".
6.1.3, action	Correct reference to JV as this does not match any of the attendance list references (same for 6.5.1 last action).
6.4.1, line 1	Change 'LF' to 'Tsec'.
6.5.1, line 3	Change 'was' to 'were'.
6.1.3, line 4	Insert 'to' before the word 'formed'.
7.21	Change 'Outstanding Members fees' to 'Outstanding Membership Fees'.

5. MANAGEMENT COMMITTEE MATTERS

5.1 Management Committee and Chairperson 2023

QS named all the members of the Management Committee for 2023, welcoming the new committee members and stating their roles as detailed in 140-5.1 document.

DGS indicated that he would not be available for another term and suggested Andrew Copeland as his replacement. DB and QS proposed and seconded the co-opting of Andrew Copeland to MANCO for tailings dams and as representative on the ICOLD Committee L: Tailings Dams. **[TSec, CG]**

HJW to hand over the webmaster role to Benjamin Oberholzer, as he is willing to offer his services free of charge. Proposed by HJW, supported by QS with no objections. **[HJW]**

DWS members to internally discuss representation on SANCOLD Management Committee and communicate the final representatives as CM and SH represent the same DWS branch, whereas both NWRI and P&I branches need to be represented. Co-opting of MG would be considered if the DWS resolution does not include him. **[CM, SH, MG, WR]**

GdJ's co-option was kept unfinalised, pending the outcome on DWS representation as MANCO is limited to co-opting four (4) members. GdJ to be contacted. **[HJW]**

DB and WR, were co-opted for another term, proposed by QS with no objections. DCE confirmed availability to continue as Treasurer and was formally appointed for 2023.

HJW was elected as Chairperson, nominated by MB and seconded by DB with no objections. RG remains as Vice-Chairperson.

5.2 **DWS Infrastructure Branch Membership**

DCE pointed out that NWRI Branch of DWS has not paid membership fees for several years.

DCE to provide a list of questions or a letter to assist the NWRI Branch representatives with obtaining clarity from the branch decision-makers on whether the branch membership fees can be paid going forward as the branch's representation is important to the committee. The basis for DWS paying membership fees for the two branches separately would need to be described as well as what the constitutional position is on representation at MANCO. **[DCE, CM, SH, TSec]**

It was resolved that historical membership fees would be written off to facilitate the continued representation of DWS NWRI on MANCO if they indicate a willingness to resume fee payments. **[DCE, CG]**

5.3 **SANCOLD Awards 2022**

DB was congratulated for his well-deserved receipt of the 2022 SANCOLD Award.

5.4 **Scholarships**

The two 2022 SANCOLD Scholarship Award recipients were approved for renewal for 2023: Mr U Maharaj (UKZN PhD, 3rd year) and Miss C Heidbreder (SU MEng, 2nd year). 2023 calls for scholarships need to be scheduled on time. **[DCE, CG]**

5.5 **ECSA Accreditation for CPD Validation**

CG to contact ECSA for the new CPD audit date following approved postponement end of 2022. **[CG]**

CG to develop a CPD Policy document for SANCOLD, based on SAIAE's CPD Policy. MANCO approved payment of R3000 to SAIAE for the service. **[DCE, CG]**

Tsec, HJW, RG to sit in with CG and SM during the ECSA audit meeting. **[Tsec, HJW, RG, CG, SM]**

CG to follow up with an ECSA representative on the procedure for CPD accreditation of ICOLD 2022, where standard supporting documents are not available. **[CG]**

5.6 **Concept Marketing Strategy**

RG was not in attendance to provide feedback to developing a Marketing Strategy with Admin Office assistance. To be discussed further in the next MANCO Meeting along with new avenues to generate income. **[RG]**

CG suggested assisting with SANCOLD's social media platforms and how content could be sourced from members. QS and Tsec supported the suggestion. QS highlighted the importance of members receiving permission to publish content on social media from dam owners. CG, SM and RG to have a separate meeting to discuss this further. **[CG, SM, RG]**

JZ mentioned that the YPF had plans in place for SANCOLD social media under AC's portfolio. An Instagram account was created as an initial step, with the aim of sharing information and raising awareness about SANCOLD and CG would be contacted by JZ to assist if needed. The YPF also had an existing LinkedIn Group to share YPF updates, which would be revived as well. **[JZ]**

Additional items discussed during the SANCOLD Programme document review were documenting/implementing the following:

- Highlight the value of ICOLD and SANCOLD Publications being accessible to all SANCOLD members.
- Promote the sale of advertisements on the website: Target organisations, water boards and large dam owners, with the aim of keeping them involved in SANCOLD.
- Update the website and keep it current.

A value proposition document/letter detailing the benefits of SANCOLD membership and the organisation's activities needs to be developed and circulated. **[TSec, CG]**

6. SANCOLD ACTIVITIES

6.1 Programme 2023

139-6.1-SANCOLD Programme 2023 was circulated to MANCO prior to the meeting, including International, Local and Long-term activities for SANCOLD. The applicable sections of the minutes for each key discussion point are indicated below.

INTERNATIONAL ACTIVITIES

1. Meaningful participation in ICOLD activities – *Section 8.2.1.*
2. Participate in the ICOLD Congress and Annual Meeting in 2023 – *Section 8.2.2.*
3. Greater involvement in the region and African Regional Club – *Section 6.6.*
4. Strengthen the functioning of the SANCOLD working groups which relate to our representation on ICOLD Committees – *Section 8.2.1.*

LOCAL ACTIVITIES

5. Attract additional corporate and individual members – *Section 5.5.*

6. Strengthen the relationship with the DWS Management and Ministry – *Section 5.3 and 6.8.*
7. Monitor progress of scholarship holders – *Section 5.4.*
8. SANCOLD Position paper on Floods. – *Section 6.3.*
9. Development of a publication on Your Dam which will focus on the operation and maintenance of small dam and owners of such dams – *Section 6.7.*
10. Preparation of a publication on Ecological Water Reserve – *Complete and taken off the agenda.*
11. Preparation of a publication on Pollution Control Dams – *Section 6.12.*
12. Improvement in the dissemination of SANCOLD and ICOLD publications – *Section 5.6.*
13. Continued interaction with members particularly via the regular SANCOLD News and the website. – *Section 6.14.*
14. Update the website and keep it current and promote the sale of advertisements on the website. – *Section 5.5.*
15. Targeted marketing of SANCOLD – *Section 5.5.*
16. Promotion of the SANCOLD Young Person's Forum – *Section 6.5.*
17. Identify and prepare for SANCOLD 2023 Annual Event – *Section 6.2.*

LONGER TERM (subject to input and funding from outside SANCOLD)

18. Organise short half-day workshops and/or courses – *Section 6.5.1.*
19. Support for a Guideline on Blasting Practices. – *To be discontinued due to no activity and removed from the agenda.*
20. Support for the development of a Guideline on Risk Analysis – *To be discontinued due to no activity and removed from the agenda.*

[TSec]

6.2 SANCOLD Events

6.2.1 SANCOLD Annual Conference 2023

MB volunteered to champion the organising of the 2023 Conference. Preliminary discussion with Steven Arumugam of DWS indicate that the event can be hosted in Durban/Ballito this year, with a field trip to DWS Hazelmere Dam. [MB]

6.3 National Flood Studies Programme (NFSP)

With the funding challenges facing the NFSP, the SANCOLD Position paper on Floods was initiated. The last team discussion indicated that an expert would be approached to write the opinion, but there was no agreement or action thereafter. A perspective on how to take on extreme floods is critical as South Africa is now out of pace with international practices on handling extreme floods, specifically Probable Maximum Flood (PMF). The main source of issues being that South Africa does not have enough information to define the Probable Maximum Precipitation (PMP) and the methods to convert PMP to runoff are antiquated and inaccurate. Team to provide a brief proposal for the next meeting. [DCE]

6.4 SANCOLD Training, APP Development & Dam Safety Initiatives

6.4.1 Facilitation of APP training

HJW and JZ compiled a two-page document SANCOLD Training Course Proposal which was circulated to MANCO prior to the meeting. The documents are a framework outlining possible content, titles, speakers, and costs for 1–3-day CPD courses that would be rolled out in a 3–5-year period. HJW requested that MANCO scrutinise the proposal and provide feedback, and for DWS representatives to highlight any department needs for training that could be included in the framework.

[AII]

HJW highlighted the possible challenge of financing the initiative to include incentivising presenters to compile the courses.

QS mentioned the unique opportunity for APP Training that would differentiate SANCOLD from other training providers as well as the potential to utilise existing content from other countries and the flexibility that virtual training provides to run courses more frequently. [HJW, JZ]

DB raised the potential to incorporate one day of training during the SANCOLD Annual Event in conjunction with the usual presentation of papers. [MB, HJW, JZ]

SM to recirculate the framework documents to MANCO to review. [SM]

6.4.2 Other Training

No discussion.

6.5 Young Person's Forum

JZ indicated that the YPF tasks had been split into portfolios to facilitate better management. The portfolios are:

- Webinars/Lecture Programme (covered under Section 5.5).
- Marketing, including social media.
- University Students, ARC-YPF and International YPF engagement.

6.5.1 Lecture Programme

In addition to the course framework presented under Section 6.4.1, JZ highlighted the importance of empowering young engineers with soft skills such as presenting skills.

6.5.2 University Students and International YPF engagement.

JZ has communicated with the University of KwaZulu-Natal and the University of Pretoria to research students' interest in SANCOLD student membership, which would be run by SANCOLD Committees in each university. MANCO was requested to approve a student membership

category with or without member fees, where students attend SANCOLD webinars and get exposure to SANCOLD as an organisation and the industry. QS supported the proposal for student membership with no objections from MANCO. The initial agreement was that students would not pay membership fees. [JZ, DCE, HJW]

6.6 **The Development of a Regional Initiative to address sub-Saharan Africa-specific topics**

QS mentioned that the Hydro-Africa 2022 event had been postponed to 10-12 July 2023 due to Ebola, whereas the aim was to draw content there to share at the ICOLD event. At present each country takes 10 minutes during the ICOLD annual meeting reporting on what they have done in the past year. As Vice-President of the Africa Zone, QS intends to promote engagement on Africa-specific issues that need to be addressed and have also caught the attention of the World Bank, beginning at the Africa Regional Club at ICOLD. Example issues include how to facilitate sustainability of dams in Africa even from the development process; effective operator capacity building and the potential for DWS to influence Africa-wide dam conversations as one of the largest dam owners in the continent.

[QS]

6.7 **Your Dam brochure**

The completed document was circulated ahead of the meeting including an email from Kelvin Legge indicating that the document was complete. SM to resend the document to all MANCO as a separate email as it has not been formally adopted as a SANCOLD document yet. Also, MANCO needs to discuss whether additional input is needed into the document before adopting it if it is already published.

[SM, All]

6.8 **Revival of initiative for discussions with the DWS Minister**

Actions to reconnect with DWS will follow clearing the member payment issue discussed in Section 5.3.

[TSec]

6.9 **Updating of SA Register on Large Dams**

WR indicated that there are no new dams to update on, just changes on the dam safety side on an ongoing basis. The smaller dams that are being removed on DWS's register, are not in line with SANCOLD's definitions.

6.10 **SANCOLD Position Paper/Guideline for Emergency Action Plan (EAP) and Emergency Preparedness Plan (EPP)**

DB mentioned that the team had changed and there had not been much progress to date. A report will be provided at the next meeting.

[DB, GR]

6.11 **Improve Definition of Tailings Dam with a Risk**

DGS proposed that South Africa utilise the 5 categories of tailings dams used by Global Industry Standard on Tailings Management (GISTM): the 5 consequence categories range from low, significant, high, very high to extreme. The suggestion would be to classify all dams with a consequence rating of 'high' or above are regarded as tailings dams with a safety risk.

DGS to take this proposal up with Andrew Copeland who chaired the SANS 10286 update that is in the final stage of approval as he expected that the update would be in alignment with the GISTM definitions proposed. **[DGS]**

WR indicated that they were tasked by Parliament after the Jagersfontein Dam failure to conduct research and confirm whether some of the tailings dams ought to registers as dams with a safety risk or not. The act refers to dams that contain water or water-containing substance, the latter of which needs more clarity. In partnership with the Department of Mineral resources, DWS will be seeking guidance and input from tailings dam experts within SANCOLD, especially with input on water saturated substances such as tailings, so previously unregulated high-risk tailings dams are categorised correctly. **[WR, DGS]**

6.12 **Proposed new brochure – Pollution Control Dams**

DCS mentioned that Pollution Dams and Tailings Dams are closely related and recommended that Andrew Copeland look at these in conjunction with Kelvin Legge for the 'Your Dam' publication. DCS to engage Andrew Copeland and Kelvin to confirm Pollution Dams' inclusion in the publication to assist with the focus of the publication.

[DCS,TSec]

6.13 **Guidelines for Freeboard Benchmarking**

DB is working on a proposal for the practical approaches for small dams after looking at the two SANCOLD Freeboard guidelines. The significant wave height determination in both guidelines has limitations, the 1991 version is empirical with limited scientific basis and the 2011 version is complex, requiring MIKE 11 and not practical, hence the proposal to develop a more practical guide for use on small dams. A report will be presented at the next meeting. **[DB]**

6.14 **Circulation of Newsletter**

Not discussed.

7. **FINANCIAL MATTERS**

7.1 **Budget 2023**

DCE presented the budget and pre-audit income and expenditure for the organisation.

The conference income had not been received from the Professional Conference Organiser (PCO) yet. The estimated R300 000 income was likely to be met.

However, some conference fees were being paid directly to SANCOLD, whereas it is preferred that all transactions are made through the PCO and SANCOLD only receive the profit. There is concern that SANCOLD might have to be VAT registered based on the income received. DCE to discuss VAT registration triggers with the auditors once the audits have been completed.

[DCE]

The following budget adjustments decisions were made:

- R20 000 increase on the ICOLD Conference support from R200 000 to R220 000: **Approved.**
- R20 000 increase in the scholarship allowance from R100 000 to R120 000: **Approved.**
- 9% increase in SAIAE Secretariat services: **Approved.**
- 5% to the SANCOLD membership fees: **Approved.**
- R30 000 for allowance for Training Initiative and YPF: **Approved.**
- Rollover of R20 000 from previous year's auditor fees as they have not completed the financial year: **Approved.**

MANCO approved the budget.

7.2 Membership Matters

7.2.1 Outstanding Membership fees

Membership Income: 26 of the 34 Corporate Members are paid up. 153 of the 195 Individual Members are paid up, giving an 85% payment average. Measures will be implemented to encourage members to settle their membership fees.

[DCE, CG]

7.3 Audit 2022

The financial audits have not been finalised and would be circulated once received.

[DCE]

8. ICOLD ACTIVITIES

8.1 ICOLD Circular Letters

QS presented the following Circular Letters:

- CL2004: The Election of the President for the Asia Zone.
- CL2005: The Draft Agenda of the Gothenburg Conference.
- CL2006: Ageing of Concrete Dams.
- CL2007: Reports submitted by Technical Committees.

8.2 ICOLD Issues

8.2.1 Representation on ICOLD Committees

QS mentioned the difficulty in engaging the working groups and simultaneously focusing on ICOLD work. Managing the Bulletins can be complex, and it is challenging to remain fully informed despite the local representation.

Committee A – Vacant (Ryan Cassells is interested and proposed).
Committee C – HJW to continue.
Committee D – QS to continue.
Committee E – DB to continue. JdP to be added to Working Committee.
Committee F – MG to follow up with L Mabuda.
Committee H – CM to continue.
Committee I – Vacant.
Committee J – TSec to follow up on Prof G Basson
Committee K – TSec to continue, provided the mandate is expanded.
Committee L – DGS to handover to Andrew Copeland.
Committee M – Peter Pyke stepped down. TSec to follow up.
Committee O – WR to continue.
Committee P – DCE to continue.
Committee Q – Louis Hattingh to continue.
Committee S – HJW to follow up with Prof Jeff Smithers.
Committee T – H Anderson still active.
Committee U – GdJ still active.
Committee V – R Van Wyk still active.
Committee Y – GdJ still active. Follow up needed to understand the practicality of GdJ on both Committee U and Y.
Committee Z – TSec to follow up on V Schoeman.
Committee RE – KN to continue.

8.2.2 SANCOLD Working Groups for SANCOLD Guidelines and Publications

Guideline on Floods – Vacant.
Guideline on Risk Analysis – Vacant.
Geotextiles for Dams – Active.
Our Dam Publication – Kelvin Legge.
Your Tailings Dam – Completed.
Guideline on Ecological Water Reserve – Completed.
Guideline on Blasting Practices – Remove.
Seismic – No feedback for the past two years.
Pollution Control Dams – Section 6.12.
Freeboard – Section 6.13.
Position Paper on Freeboard – DB to contact RG regarding the possible rewriting of the guideline/publication title.
Position Paper on EPP – Cameron Fraser and Louiza van Vuuren are no longer in South Africa. DB to assemble a new team.

8.2.3 Important Dates

Hydro-Africa:10-12 July 2023.

ICOLD Annual Meeting and Symposium: 11-15 June 2023.
Hydro-Asia: 14-16 March 2023.
SANCOLD Annual Event – TBC by April.

8.2.4 Technical Question Proposal

A Question for the ICOLD Congress 2025 was submitted. Question submitted is as follows:

“Capacity Building to Ensure Sustainable Dam Operation and Maintenance and Dam Safety”

8.3 Support for ICOLD 2023 Attendance

Members are to apply to the TSec for support to attend the ICOLD Conference.
[All]

9. GENERAL

9.1 Co-operation with CHINCOLD

Ongoing item.

9.2 Approached by SA Tourism to host ICOLD/SANCOLD Event

Remove from agenda going forward.

9.3 Quentin Shaw Appreciation

DB thanked QS for his tenure as the SANCOLD Chairperson, thanking him for his leadership and passion for SANCOLD.

10. DATE AND VENUE OF THE NEXT MEETING

The next meeting will be scheduled for 9 May 2023. Same time (09:00 to 12:00).
Venue to be confirmed.

11. CLOSURE

The meeting closed at 12:30.