
From: dbluth

Sent: Tuesday, November 12, 2024 11:19 AM

To: Jessie Halligan

Subject: FW: AW: Inquiry into post-mining land use - Post hearing responses - 21 October 2024

Dear Jesse,

Thank you for the transcript.

I enclose email from Peter Laux seeking one correction.

He also encloses some brief material in response to a question on notice.

Would you please circulate.

Many thanks

Regards

Dennis Bluth | Director | Hunter Lakes Corporation

Sustainable Infrastructure – Water Security



www.hunterlakes.com

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----- Original message -----

From:

Date: 7/11/24 9:23 pm (GMT+10:00)

To:

Subject: AW: Inquiry into post-mining land use - Post hearing responses - 21 October 2024

Good morning, Dennis and John,

after reading the transcript I have only one correction:

Page 49, last statement: Yes, we do. We do in high water **TIMES**.

I don't know if this important enough to intervene.

Additionally I could provide two additional graphs showing the sequence of filling our lake (see attachment).

Do you think, this could be helpful?

Diese E-Mail ist klassifiziert nach Vertraulichkeit **Offen (TLP Green)**

Mit freundlichen Grüßen und Glückauf/Best Regards

Peter Laux

Bergbautechnik

LEAG

Lausitz Energie Bergbau AG

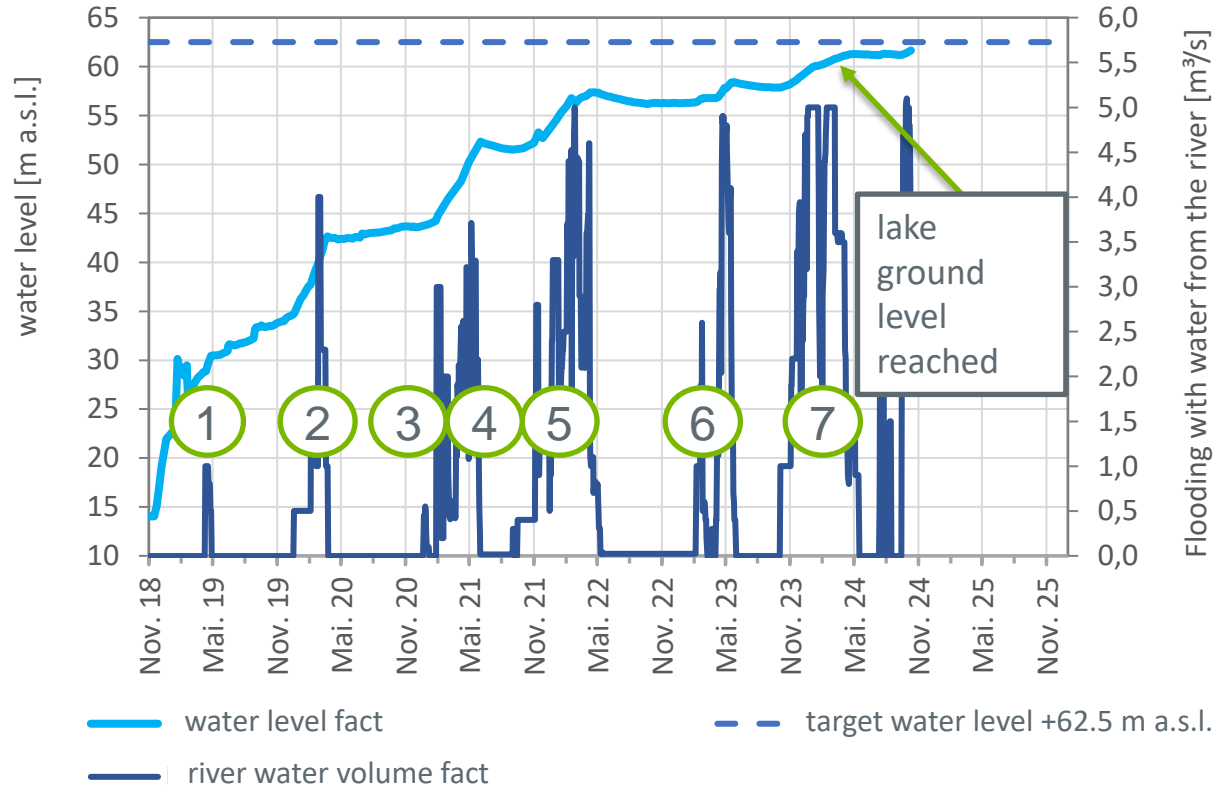
LEAG-Platz 1 D-03050 Cottbus



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www.twitter.com/LEAG_de

Flooding at a glance



1. Phase
15 days
0,7 Mio. m³
0,6 m³/s

5. Phase
245 days
39,4 Mio. m³
1,9 m³/s

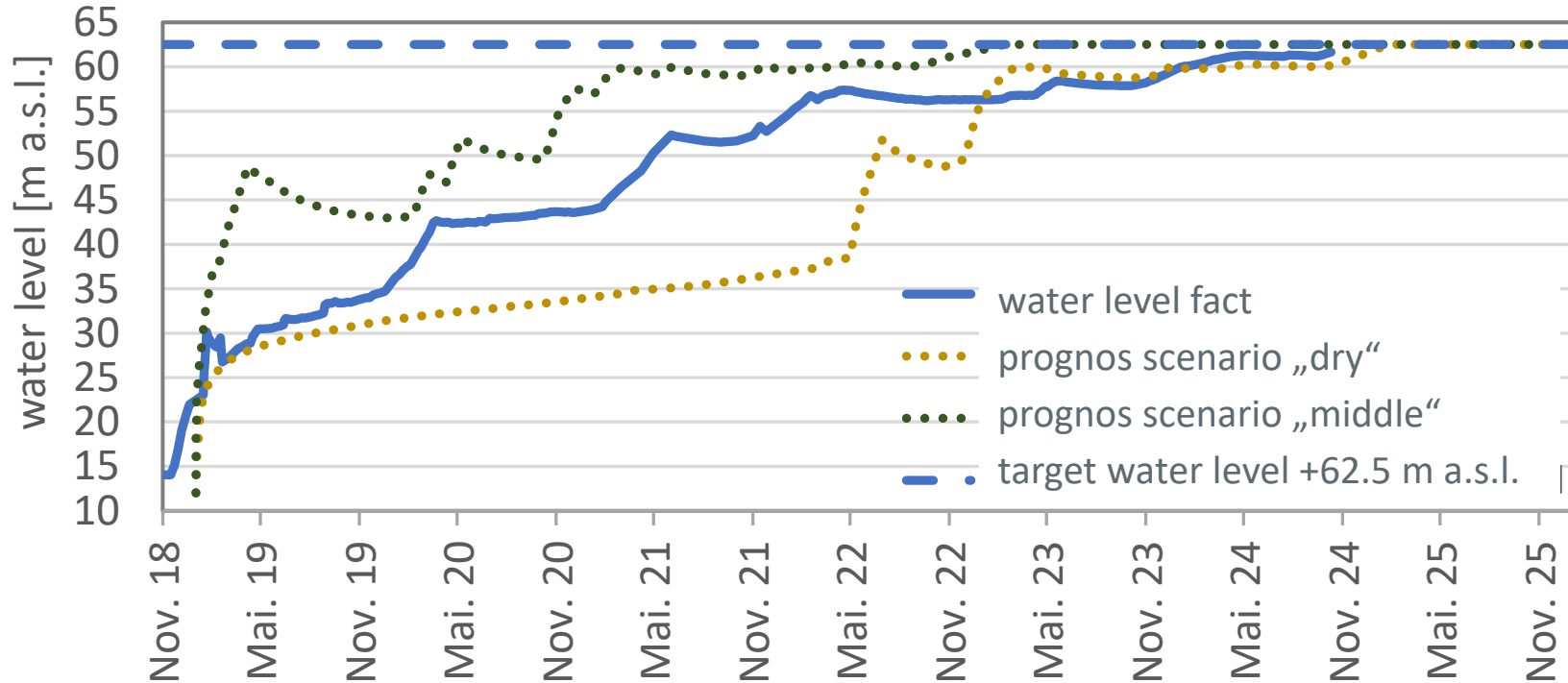
2. Phase
117 days
8,9 Mio. m³
1 m³/s

6. Phase
117 days
16,8 Mio. m³
1,7 m³/s

3.+4. Phase
140 days
16,8 Mio. m³
1,4 m³/s

7. Phase
222 days
57,6 Mio. m³
3 m³/s

Flooding vs. prediction



Quelle: LEAG



Water quality Cottbuser Ostsee

Nordrandschlauch Nord 1 – CB-See-04 (planned outlet)

	6.9.23	9.4.24	
pH-value	7,7	7,8	
acid capacity 4,3	1,2	1,1	mmol/l
iron (total)	0,12	0,05	mg/l
Iron (dissolved)	0,02	<0,01	mg/l
Eisen-II (gelöst)	0,02	<0,01	mg/l
Sulphate	435	318	mg/l
Electr. conductivity	870	876	µS/cm

Nordrandschlauch West – CB-See-03 (inlet)

	6.9.23	9.4.24	
pH-value	7,9	7,9	
acid capacity 4,3	1,2	1,2	mmol/l
iron (total)	0,1	0,06	mg/l
Iron (dissolved)	0,01	0,03	mg/l
Iron-II (dissolved)	0,01	<0,01	mg/l
Sulphate	439	323	mg/l
Electr. conductivity	877	875	µS/cm

Randschlauch Merzdorf – CB-See-02

	6.9.23	9.4.24	
pH-value	7,14	7,6	
acid capacity 4,3	0,89	1,0	mmol/l
iron (total)	0,31	0,24	mg/l
Iron (dissolved)	0,01	0,02	mg/l
Iron-II (dissolved)	0,01	<0,01	mg/l
Sulphate	480	332	mg/l
Electr. conductivity	883	892	µS/cm



Prognose

pH-value	7...8	
acid capacity 4,3	0,6	mmol/l
iron (total)	<3	mg/l
Iron (dissolved)	<0,5	mg/l
Sulphate	500	mg/l

Tranitzhaff – CB-See-05

	6.9.23	9.4.24	
pH-value		7,7	
Base capacity 4,3		0,6	mmol/l
iron (total)	Not yet	0,07	mg/l
Iron (dissolved)	flooded	<0,01	mg/l
Iron-II (dissolved)		<0,01	mg/l
Sulphate		402	mg/l
electric conductivity		987	µS/cm

Südrandschlauch – CB-See-01

	6.9.23	9.4.24	
pH-value	3,4	7,4	
Base capacity 4,3	0,22		mmol/l
acid capacity		0,88	mmol/l
iron (total)	0,75	0,38	mg/l
Iron (dissolved)	0,47	<0,01	mg/l
Iron-II (dissolved)	0,16	<0,01	mg/l
Sulphate	765	362	mg/l
Electr. conductivity	1290	932	µS/cm