

From: Paul McGill mcgill@mbari.org
Subject: Re: Lithium Battery Disposal
Date: November 21, 2023 at 4:30 PM
To: Christopher Lovera lovera@mbari.org
Cc: Alana Sherman alana@mbari.org, Steven Litvin litvin@mbari.org, Edward Peltzer etp3@mbari.org

Yes, I removed the battery so thanks for completing the disposal process. I just realized I got distracted and forgot to write "dead" on the pack. Chris, would you please do that?

For Ed's purposes, this pack is made from Electrochemical 3B36 cells, which are a Lithium Sulfuryl Chloride chemistry.

Because I write everything down, the battery was at

31.48 V before deployment in Sep '22

25.40 V after recovery in Nov '23

This is an 8S battery so each cell was at 3.18 V, which is pretty dead for this chemistry. In other words, our timing was good and we got all we could from this pack.

Cheers,
Paul

On Nov 21, 2023, at 12:54 PM, Christopher Lovera <lovera@mbari.org> wrote:

Thanks Alana,

Someone extricated the battery in your absence... so I absconded with it since it was sitting unattended on a cart.

If the battery is still need for some post-deployment diagnostics, let me know otherwise I'll pass it along to Ed when convenient, with the other pile of packs I have.

Happy TG,

- Chris

Christopher Lovera

Research Specialist

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On Nov 18, 2023, at 2:19 PM, alana <alana@mbari.org> wrote:

I will be around next week to help remove the battery from the Megacoral cam, if Aaron is not.

Alana Sherman

Electrical Engineer

Monterey Bay Aquarium Research Institute (MBARI)

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On Nov 17, 2023, at 5:18 PM, Edward Peltzer <etp3@mbari.org> wrote:

Hi Chris:

I'm busy Monday with Knute and Bryan collecting Fluorinert samples from the MARS HV can and then I have to analyze those samples with the LRS.

Tuesday is a possibility. I have a pick-up from Sebastian that should not take too long; then I will come find you to collect the Lithium batteries et al.

Ed.

From: "Chris Lovera" <lovera@mbari.org>

To: "Edward Peltzer" <etp3@mbari.org>

Cc: "Alana Sherman" <alana@mbari.org>, "Paul McGill" <mcgill@mbari.org>, "Steven Litvin" <litvin@mbari.org>

Sent: Friday, November 17, 2023 4:07:23 PM

Subject: Lithium Battery Disposal

Hi Ed,

When the opportunity is available, I have a couple large Li battery packs to recycle. I think there is also at least one other large pack from our drop-camera that needs to be recycled as well.

Thanks,

- Chris

Christopher Lovera

Research Specialist

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