

PSHP F808 coordination Meeting Minutes n4

Project/Activity: Prévessin Sustainable Heating Plant (PSHP)

Date: 2024-07-30

Attendees: Jorge Buceta (Arceclima); Juan Gomez (Cern SCE/SAM-IN); Rodolph Mercanton (Cern SCE/SAM-IN); David García Bello (Arceclima); Rouge Guillaume (CERN SCE/SAM-IN)
Yannick Meistermann (Friotherm)

<https://indico.cern.ch/event/1403036/>

DISCUSSION

Chimney:

The anchor of the chimney is on place, now Arceclima should confirm the delivery and lifting protocol of the chimney. A visit on site will be organise with a lifting company to check the different option, beware the 23m chimney will be delivered in one piece. Done, 2 options for the delivery are on the table, Arceclima confirm the delivery of the chimney in November. CERN will check which option is the best.

Heat Pump:

Arceclima confirm the order of the heat pump to Friotherm is done Friday 21.06, the first delivery date is around November 2025. Schedule should be update.

Last TDS of the heatpump should be done by Friotherm and share with Arceclima and CERN in August, then a meeting will be schedule.

Check the need of access platforms. Example here:

For the top and the back of the heatpump if there are some valves and equipments, access platforms are needs for the maintenance:



For the front of the heat pump a mobile platform cold be use:



CERN confirm that the electrical connection of the heat pump shall be done by the air (or below the heat pump) and not from the concrete floor, because of the trench. Example here :



Boilers:

Arceclima is studying the proposition from Bosch to have only 2 pumps, TDS should be read for the 7 of June.



Arceclima will clarify with Bosch the IBC system is include and if all the requirement from the technical specification are compliant.

Arceclima propose some modification on the PID, CERN check most of theme and Arceclima should provide a new version of the PID.

Electrical and automation:

Arceclima will provide a schema of the electrical cubicle organisation for CERN approval. Done

Schedule:

Arceclima will send the studies and works schedule of the project before the 7 of June. Done, should be update according with the heat pump and chimney delivery date.

PID:

CERN provided a new PID with GMAO blocs. done

3D Models:

Arceclima is studying the possibility to move the electrical cubicle and the hydraulic pump. CERN highlight the position of the technical trench for electrical high voltage connection and send to Arceclima the drawing of this trench.

CERN confirm that the way in the axe of the door shall stay free for the truck material delivery and the maintenance access with the crane.

Water treatment:

CERN will send an example of TDS for water treatment equipment.

Compressed air:

CERN confirm the AC will be available at 8 bars in the building, Arceclima shall build the distribution pipes and the instrumentation to connect the heat pump.

Hydraulic:

CERN confirm that the pressure drop calculation should be done with 100Pa/ml limit but in the main collector the speed limit shall be 1m/s.

The flow in the tank will be the difference between the district heating and the minimum primary flow.

CERN send the information about the heat exchanger in the 775 data center.

Next meeting.

ACTIONS

Planning should be done by Arceclima.	JB	June 7	done
Confirmation of the order for the heat pump with TDS.	JB	June 7	done
Arceclima send the TDS of the Bosch gas boiler.	JB	June 7	late
Organization of a meeting on site for the lifting operation of the chimney.	GR	May 23	done
Sending the works building situation drawing	RM	May 31	done
Prepared by: G.Rouge	Date: 2024-09-02		

Distribution: SAM-IN, Arceclima