



## 8.16.8 Water Systems Status of Equipment Form

### 1. Purpose

The purpose of this procedure is to provide instructions to C-A Water Systems Group responsible for filling out the C-A Water Systems Status of Equipment Form.

### 2. Responsibilities

2.1 This procedure shall be performed by properly trained and qualified personnel.

### 3. Prerequisites

3.1 C-A Skill of the Craft.

Qualified water system technician, RAD Worker I – TLD required, if in high rad area an alarming dosimeter, C-A Access.

### 4. Precautions

None

### 5. Procedure

5.1 This logsheet is filled out weekly by the on-duty Water Systems Technician, and checks are performed by CAS Watch when Water Group Personnel are off duty as instructed.

5.2 All Systems shaded on the checklist are activated, or chemically treated, and those checks are made daily, not once per week.

5.3 Radiation monitoring systems checks consist of checking pressures in system gas bottles.

5.4 The daily check of tankers with activated water is performed for the following reasons. Article 12 compliance:

5.4.1 Ensure tankers that are not empty have secondary containment systems fully closed and in place.

5.4.2 Check entire system for leaks, repair, and report any leaks.

5.4.3 Ensure tankers are properly chocked at the wheels to prevent movement.

- 5.4.4 Ensure all isolation valves are closed.
- 5.4.5 If steam is being supplied to prevent freezing, ensure that condensate is being drained outside of secondary containment, and steam is rising from tanker.
- 5.4.6 If a tanker is empty, ensure tanker empty sign is displayed. Secondary containment is not required for empty tankers.
- 5.4.7 If working secondary containers are full of water, provide a 500 mL sample to ask for gamma and tritium. Disposition of water shall be communicated by Environmental Coordinator.

**6. Documentation**

- 6.1 Complete “Water System Status of Equipment Form, as required.

**7. References**

None

**8. Attachments**

None

## C-A Water Systems Status of Equipment Form

BLDG 911				
MAIN MAGNET	PUMPS	1		
		2		
		3		
	EVAP COOLERS		PUMPS	FANS
		1		
		2		
		3		
		4		
5				
6				
7				
8				
RESISTIVITY				
SPECIAL EJECTION	PUMPS	1		
		2		
		3		
		4		
MULTI POLE ROOM SYSTEM	PUMPS	1		
		2		
POWER ROOM	PUMPS	1		
		2		
BLDG 951-- (TE BLDG)				
RF PA CLG SYSTEM	PUMPS	1		
		2		
		CIRC.		
RESISTIVITY				
RF PA CLG COOLER SYSTEM	PUMPS	1		
		FAN	1	
		SPRAY PUMP	1	
FAST PULSE QUAD SYSTEM	PUMPS	1		
		2		
RESISTIVITY				
BLDG 953				
COOLING TOWER NO. 1	FAN	1		
		2		
	PUMPS	1		
		2		
		3		
CONDUCTIVITY				
BLDG 912				
COOLING TOWER NO. 2	FANS	1		
		2		
	PUMPS	5		
		6		
		7		
CONDUCTIVITY				
"C" LINE	PUMPS	1		
		2		
RESISTIVITY				
COOLING TOWER NO. 3	PUMPS	1		
		8		
		9		
CONDUCTIVITY				
COOLING TOWER NO. 4	FAN	1		
		10		
	PUMPS	11		
		12		
		13		
CONDUCTIVITY				
SPECIAL EXPERIMENTAL MAGNET SYSTEM	PUMPS	1		
		2		
		3		
		CIRC.		
	RESISTIVITY			
S.E.M. COOLING TOWER	FAN	1		
		2		
	PUMPS	1		
		2		
CONDUCTIVITY				
OZONE				
BOOSTER BLDG 914				
MAIN MAGNET	PUMPS	1		
		2		
		3		
RESISTIVITY				
BOOSTER PUMPS	PUMPS	1		
		2		
RF SYSTEM	PUMPS	1		
		2		
		3		
RESISTIVITY				
CHILLED WATER	PUMPS	1		
		2		
BLDG 919				
COOLING TOWER NO. 5	FAN	1		
		2		
	PUMPS	1		
		2		
CONDUCTIVITY				
RADIATION MONITORING SYSTEM				
LOCATION	STATION	ON LINE CYCLE		
FAN HOUSE "C" PORTA CAMP	A-B			
FAN HOUSE "D"	C-D			
FAN HOUSE "E"	E-F			
WEST SIDE	G-H			
FAN HOUSE "A"	I-J			
FAN HOUSE "B"	K-L			
LINAC RADIATION MONITOR	MAN			

  

BLDG 946			
BEAM STOP COOLING	PUMPS	1	
		2	
		RESISTIVITY	
BLDG 928			
R.F.M.G. TOWER	FANS	1	
		2	
		1	
	PUMPS	2	
		3	
		CIRC.	
CONDUCTIVITY			
RF POWER SYSTEM	PUMPS	1	
		2	
		3	
		4	
RESISTIVITY			
RF CAVITY SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
CHOKO SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
RECTIFIER SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
F-10 COOLING SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
H-10	PUMPS	1	
		2	
RESISTIVITY			
902 TOWER	FAN	1	
		2	
PUMPS	1		
	2		
	3		
	4		
CONDUCTIVITY			
944 COOLING SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
G-2 SYSTEM	PUMPS	1	
		2	
		CIRC.	
DEMINERALIZER			
G-2 COOLING TOWER	FAN	1	
		2	
CONDUCTIVITY			
200 MEV LINAC BLDG 930			
LINAC TOWER	FAN	1	
		2	
		CONDUCTIVITY	
RF SYSTEM	PUMPS	1	
		2	
		RESISTIVITY	
TRANSPORT SYSTEM	MAIN PUMPS	1	
		2	
RESISTIVITY			
CAVITY WATER SYSTEM	PUMPS	1	TANK 1
		2	TANK 3
		3	TANK 3
		4	TANK 2
		5	TANK 2
		6	TANK 5
		7	TANK 4
		8	TANK 4
		9	TANK 7
		10	TANK 6
		11	TANK 6
		12	TANK 9
		13	TANK 8
		14	TANK 8
10 <sup>TH</sup> STATION	PUMPS	1	
		2	
DEMINERALIZER			
BOOSTER APPLICATIONS FACILITY BLDG 957			
BAF MAGNET SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
BAF POWER SUPPLY PUMPS	PUMPS	1	
		2	
RESISTIVITY			
BAF COOLING TOWER	FAN	1	
		2	
	PUMPS	1	
		2	
CONDUCTIVITY			
OZONE			

  

BOOSTER RADIATION MONITORING SYSTEM	BT					
	LT					
	A-C					
	D-F					
TANKER INSPECTION	1	W	T	W	TH	F
	2	W	T	W	TH	F
	3	W	T	W	TH	F

  

BLDG 1000P			
COOLING TOWER NO. 6	FAN	1	
		2	
		CONDUCTIVITY	
RHIC INJECTION COOLING SYSTEM	PUMPS	1	
		2	
		CIRC.	
RESISTIVITY			
BLDG 1002			
BRAHMS TOWER	FAN	1	
		2	
	PUMPS	1	
		2	
CONDUCTIVITY			
BRAHMS SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
BLDG 1004			
RF PA SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
RF CAVITY SYSTEM	PUMPS	1	
		2	
RESISTIVITY			
RF TOWER	FAN	1	
		2	
	PUMPS	1	
		2	
CONDUCTIVITY			
OZONE			
BLDG 1005P			
COOLING TOWER NO. 7	FANS	1	
		2	
		3	
		4	
		5	
	PUMPS	6	
		1	
		2	
		3	
		4	
CIRC.			
CONDUCTIVITY			
BLDG 1005 E			
HELIUM RELIQUIFICATION TOWER	FAN	1	(HAND)
		2	
		CONDUCTIVITY	
BLDG 1006			
STAR COOLING TOWER	FANS	1	
		2	
	PUMPS	1	
		2	
CONDUCTIVITY			
STAR MAGNET SYSTEM	GRP	1	
		2	
	PUMPS	1	
		2	
		CIRC.	
TEST TANK PUMP	1		
RESISTIVITY			
OXYGEN			
PH			
CHILLERS	PUMPS	1	
		2	
MODIFIED CHILLED WATER	PUMPS	1	
		2	
		CIRC.	
RESISTIVITY			
POWER SUPPLY	PUMPS	1	
		2	
RESISTIVITY			
TPC SKID	PUMP	1	
		RESISTIVITY	
OXYGEN			
BLDG 1008C			
PHENIX TOWER	FAN	1	
		2	
		CONDUCTIVITY	
PHENIX MAGNET SYSTEM	PUMPS	1	
		2	
		3	
	CIRC.		
RESISTIVITY			
CHILLERS	PUMPS	1	
		2	
POWER SUPPLY	PUMPS	1	
		2	
RESISTIVITY			
BLDG 1010			
PHOBOS SYSTEM	PUMP	1	
		RESISTIVITY	
		FAN	1
PHOBOS TOWER	PUMP	1	
		CONDUCTIVITY	
OZONE			

  

C-A WATER SYSTEMS STATUS OF EQUIPMENT						
WEEK OF: _____						
OPERATOR: _____						

  

\*PLACE REMARKS AND ADDITIONAL EQUIPMENT ON BACK OF SHEET