

KEYED NOTES:

1	NUMBER OF ISOLATION VALVES ON A PIPE RUN DEPENDENT
	ON VISUAL LINE OF SIGHT FROM THE EQUIPMENT ITEM OF
	THE INTEREST. EXAMPLE: METERING PUMP WITH A
	CHEMICAL INJECTION POINT THAT IS OUT OF VIEW FROM
	THE PUMP SHOULD BE PIPED WITH 2 VALVES, ONE VALVE
	AT THE PUMP AND ANOTHER VALVE AT THE OUT OF VIEW
	INJECTION POINT.

6

2

SURGE ARRESTOR BY ELECTRICAL.

NEUTRALIZER IS ONLY REQUIRED WHEN TOWER (3) BLOWDOWN IS ROUTED TO A PERMITTED OUTFALL. DELETE LOOP FROM PROJECT FOR SYSTEMS THAT DISCHARGE TO SANITARY SEWER.

LEGEND

SUB-SYSTEM	DESCRIPTION				
I	AUTOMATED CONTROL STATION, CHEMICAL MONITORING AND INJECTION				
Ш	BROMICIDE INJECTION				
Ш	NEUTRALIZER INJECTION				
IV	INHIBITOR INJECTION				
V	WATER FILTRATION				
VI	TREATED WATER BLOW DOWN				
VII	NON-POTABLE MAKE-UP WATER				
VIII	COOLING TOWER BASIN LEVEL SENSING				
#	MECHANICAL EQUIPMENT DESIGNATOR (SEE LANL MASTER SPECIFICATION				

ATTACHMENT A)

23 2500, HVAC WATER TREATMENT,

DRAWING DEVELOPED FOR ML-3/ ML-4 PROJECTS. FOR ML-1/ ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN **INSERTED INTO A DRAWING** PACKAGE).

	4	06-29-18	UNCLASS	ML	UPDATED BAS SPECIFIC	ED ON LANL MASTER CATION 23 2500.	EM	EM	ML	ML	то	
	3	06-29-17	UNCLASS	то	ADMIN. CHANGES TO CAD STD. REV#5 TO FORMAT		JB	AJ	ML	ML	то	
	2	09-03-14	U	ML	GENERAL REVISIONS. J		JM	SH	RC	ML	то	
	1	06-23-05	U	DY	GENERAL REVISIONS. DWG. DWG. NO. WAS ST6800		RP	MN	RF	CD	то	
	NO	D DATE CLASS DC DESCRIPTION D		DWN	DSGN	СНКД	SUB	APP				
ENGINEERING STAND										D	5	
7		MECHANICAL						DRAWN	I R.PE	R.PEARSON		
•								DESIGN R.RC		OMERO		
	OPEN COOLING TOWER WATER								CHECKED D.NGUYEN			
	TA- XX BLDG- XX							DATE 06-28-99				
	SUBI POC	SUBMITTEDAPPROVED FOR RELEASEPOC DISCIPLINE: CHARLES DUPRESTANDARDS MANAGER: TC						BIN ORUCH				
	SHE							1				
		• LOS Alamos NATIONAL LABORATORY PO Box 1663 Los Alamos, New Mexico 87545						1 OF 2				
	D.C.:	.C.: U REVIEWER: LARRY BAYS						DATE: 06-28)	
	PRO	JECT ID		DRAWING	G NO						REV	
	C	HAP	FER 6		ST	D30GEN-1					4	