



SSTD-8070-0086-EMCS Rev. A
JULY 2016

National Aeronautics and
Space Administration

John C. Stennis Space Center
Stennis Space Center, MS 39529-6000

COMPLIANCE IS MANDATORY

John C. Stennis Space Center

HVAC AND DOMESTIC HOT WATER

OPERATIONAL AND MAINTENANCE

STANDARD FOR ENERGY CONSERVATION

Approved by:

Scott Olive
NASA SSC Center Operations
Design & Construction Project
Management Division

7-11-16
Date

Concurrence by:

M. Killam
NASA SSC Center Operations Directorate
Operations and Maintenance Division

7-11-16
Date

Issued by

Issued CEF
Central Engineering Files

7-12-16
Date

Stennis Standard	SSTD-8070-0086-EMCS	A
	<i>Number</i>	<i>Rev.</i>
	Effective Date:	July 11, 2016
	Review Date:	July 11, 2021
Page 2 of 10		
Responsible Office: NASA Center Operations Directorate		
SUBJECT: HVAC/Domestic Hot Water Operation/Maintenance for Energy Conservation		

Document History Log

Change/ Revision	Date	Originator/ Phone	Description
Basic	09.27.2011	R. Harris Ext.3790	Initial release, superseding SSC-50-005 and SSC-50-006. This revision is compliant with the latest energy laws, including but not limited to: EISA 2007, E.O. 13514 and E.O. 13423.
Basic-1	02.11.2016	C. Wolfram Ext.81164	Administrative change. Replaced “FOSC” with “SACOM” throughout document.
A	07.11.2016	M. Killam Ext. 2032	Five-year review. Administrative changes throughout document. Revised cover sheet to reflect approval by NASA SSC Center Operations Design & Construction Project Management Division, and concurrence by NASA SSC Center Operations Directorate Operations and Maintenance Division. References and acronyms updated.

Stennis Standard	SSTD-8070-0086-EMCS	A
	<i>Number</i>	<i>Rev.</i>
	Effective Date:	July 11, 2016
	Review Date:	July 11, 2021
Page 3 of 10		
Responsible Office: NASA Center Operations Directorate		
SUBJECT: HVAC/Domestic Hot Water Operation/Maintenance for Energy Conservation		

Table of Contents

1.0	PURPOSE	4
2.0	APPLICABILITY	4
3.0	APPLICABLE DOCUMENTS	4
4.0	RESPONSIBILITIES	4
5.0	OPERATIONAL CRITERIA	5
5.1	HVAC System Operation	5
5.1.1	Space Thermostat Settings	5
5.1.2	HVAC System Control	6
5.1.3	EMCS	6
5.2	Ventilation	7
5.4	Seasonal Shutdown	7
5.5	Domestic Hot Water	7
6.0	MAINTENANCE REQUIREMENTS	8
6.1	General	8
6.2	Pumps	8
6.3	AHU	8
6.4	Centrifugal Chiller	8
6.5	Reciprocating Chiller	8
6.6	Fan, Blower or Vent	9
6.7	Boilers	9
7.0	RECORDS AND FORMS	9
8.0	DEFINITIONS	9
9.0	ABBREVIATIONS	10