



**US Army Corps
of Engineers®**

ENGINEERING AND CONSTRUCTION BULLETIN

No. 2018-16

Issuing Office: CECW-EC

Issued: 20 Sep 18

Expires: 20 Sep 20

13 Jan 25, Rev 1

13 Jan 27

SUBJECT: Standardization and Sustainability Technical Reports for Locks and Dams

CATEGORY: For Information

1. References:

- a. OPORD 2016 – 21 (USACE Sustainability, Internal Operations & Infrastructure)
 - b. Executive Order (EO) 13693 Planning for Federal Sustainability in the next Decade, March 2015
 - c. Engineering Construction Bulletin (ECB) 2017-18, Standardization of Navigation Structures and Components
2. **Purpose.** This Engineering and Construction Bulletin (ECB) announces the publication of three new Technical Reports on Standardization and Sustainability for Locks and Dams:
- d. Technical Report INDC TR-2018-01, Mechanical Equipment Lubrication
<http://www.wbdg.org/ffc/army-coe/technical-reports-tr/indc-tr-2018-01>
 - e. Technical Report INDC TR-2018-02, Exterior Lighting for Navigation Locks and Dams
<http://www.wbdg.org/ffc/army-coe/technical-reports-tr/indc-tr-2018-02>
 - c. Technical Report INDC TR-2018-03, Renewable Energy Applications for Locks and Dams
<http://www.wbdg.org/ffc/army-coe/technical-reports-tr/indc-tr-2018-03>

3. **Background.** These Technical Reports are developed to enhance the sustainability and standardization of USACE assets as part of the response to LTG Semonite's directive issued June 23, 2016, to achieve standardized designs for navigational structures and further defined in ECB 2017-18.

Utilization of these technical reports will help to enhance navigation system performance, establish consistency among facilities and help to reduce life-cycle costs. Implementation of sustainability/standardization techniques will help to establish an efficient and cost effective navigable waterway system over the next 100 years. The reports include consideration of best practices and lessons learned and will concentrate on high value opportunities and strategies.

ECB No. 2018-16

SUBJECT: Standardization and Sustainability Technical Reports for Locks and Dams

4. **Access.** INDC Technical Reports are hosted online on the Whole Building Design Guide within the Army/COE Criteria section of the Documents Library which can be reached directly using this link: <http://www.wbdg.org/ffc/army-coe/technical-reports-tr>

5. **Training.** Sessions featuring these Technical Reports will be included in the Engineering & Construction Webinar Program. For more information on the webinar program, including videos of past webinars and how to obtain CEUs, see <https://mrsi.erdcdren.mil/sustain/webinars/>.

6. **Update.** This information does not affect higher level policy and does not require updating existing criteria documents.

7. **Point of Contact.** HQUSACE point of contact for this ECB is Thomas Jamieson, CECW-EC, thomas.j.jamieson@usace.army.mil or (570) 650-0582.

//S//

LARRY D. McCALLISTER, PhD, PE, PMP, SES
Chief, Engineering and Construction
U.S. Army Corps of Engineers