

EPA Update

Al Garcia

Region 8 Pretreatment Workshop

May 9, 2017

Preliminary 2016 Effluent Limitation Guidelines Plan

Published for Public Comment
June 27, 2016

<https://www.gpo.gov/fdsys/pkg/FR-2016-06-27/pdf/2016-15133.pdf>

Preliminary 2016 ELG Plan

- Industry Review
 - Iron and Steel Manufacturing
 - Organic Chemicals, Plastics, and Synthetic Fibers (OCPSF)
 - Pulp, Paper, and Paperboard
 - Battery Manufacturing
 - Electrical and Electronic Components Manufacturing
- Continued Study of the CWT Facilities – oil and gas
- Conventional Extraction - Oil and Gas Industry
- Produced Water Discharges in the Oil and Gas Industry (well treatment, workover fluids)

Final Oil and Gas ELG

<https://www.gpo.gov/fdsys/pkg/FR-2016-09-30/pdf/2016-23456.pdf>

- 40 CFR 435, Subpart C – wastewater discharges from unconventional (shale or oil and gas facilities)
- Effective August 29, 2016, extended to November 28, 2016 in a 09/30/16 FR
- No discharge from production, field exploration, drilling, well completion, or well treatment (drilling muds, drill cuttings, produced sand, or produced water)

Conventional Oil and Gas Extraction

- Data Needed from Local Programs
 - Discharges to POTWs
 - Impacts from wastewater management
 - Requests to discharge at POTW
 - Loadings of discharges

Produced Water Discharges Oil and Gas

40 CFR Part 435, Subpart E

- Good enough quality for wildlife/livestock watering or agricultural
- Quantity, composition, and purpose of well treatment and workover fluids

Centralized Waste Treatment

- Study of CWTs that accept Oil and Gas wastewater
 - which CWT facilities accept such wastewater,
 - available treatment technologies (and their associated costs),
 - discharge characteristics,
 - financial characteristics of CWT facilities, and
 - environmental impacts of discharges from CWT facilities.

Dental Amalgam

- Signed by the EPA administrator on September 23, 2014
- 40 CFR Part 441
- January 23, 2017
- Regulatory Freeze

NPDES Update Rule

- Signed on May 5, 2016, The proposed rule:
 - Eliminates inconsistencies between regulations and application forms;
 - Improves permit documentation, transparency, and oversight;
 - Clarifies existing regulations; and
 - Deletes outdated provisions.

NPDES Update Rule

The proposed rule covers :

- permit applications;
- permit objection,
- Permit documentation,
- Public Notice and other process efficiencies;
- vessels exemptions;
- CWA section 401 certification process.

NPDES Update Rule

- Revising the NPDES permit application forms,
- Improving the consistency and updating the applications,
- Address permit documentation, EPA State permit objection, and public participation procedures
- For example , post notices of draft NPDES permits and other permit actions on State agency Web sites.
- Still in proposal ...(?)

Method Update Rule (MUR)

- provide increased flexibility to the regulated community
- improve data quality
- update the methods, to keep current with technology advances
- address laboratory contamination issues related to the MDL and better account for intra-laboratory variability.

Method Update Rule (MUR)

- MUR include revised methods published by EPA
- Adding certain methods reviewed under the alternate test procedures (ATP) program to 40 CFR Part 136,
- Clarifying the procedures for EPA approval of nationwide and limited use ATPs.
- Revising the procedure for determination of the method detection limit (MDL).

Method Update Rule (MUR)

- Proposed Rule – February 19, 2015
- Extension of Comment period – March 20, 2015
- Signed on December 15, 2016
- Regulatory Freeze

Rules / Regulations

EPA Effluent Limitations Guidelines

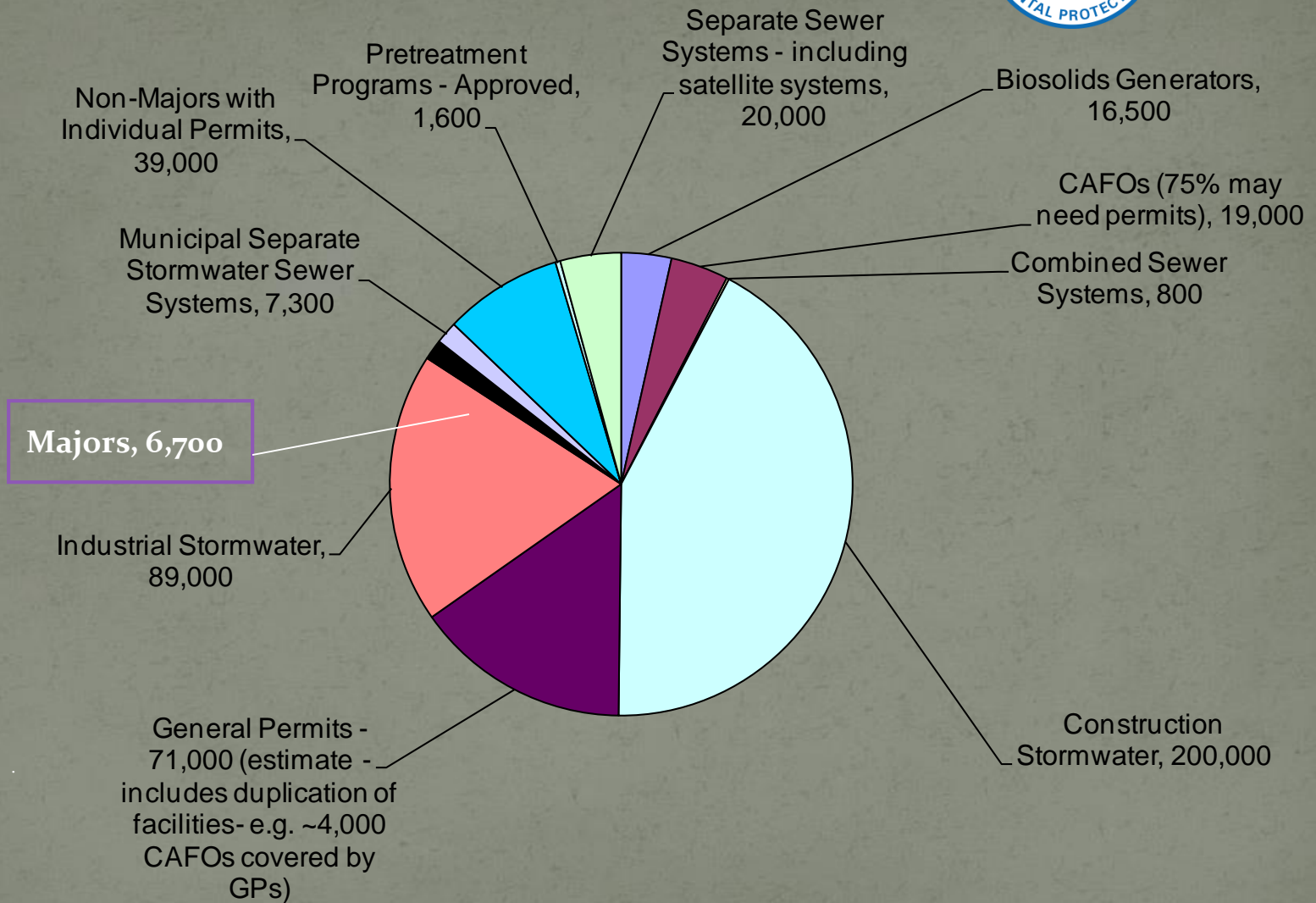
<https://www.epa.gov/eg/industrial-effluent-guidelines>

Electronic CFR

<http://www.ecfr.gov/cgi-bin/ECFR?page=browse>

Electronic Reporting Rule

- Federal Register – October 22, 2015
- Final Rule-NPDES E-Reporting Rule-FR Vol 80, No 204-pp 64064-64158
- **Effective Date – December 21, 2015**
- Reduces burden of existing paper-based reporting from regulated facilities and reduces third-party data entry errors by instead requiring electronic data submissions;



. Note: does not include SIUs in Approved Programs

Overview of Final Rule

	Existing NPDES Program Reporting	40 CFR
Data from NPDES Permittees	Discharge Monitoring Reports (DMRs) – Phase 1	122.41(l)(4)(i)
	General Permit Reports (NOI, NOT, NECs, LEWs) – Phase 2	122
	Biosolids Annual Program Reports – Phase 1 (EPA only) & Phase 2 (8 states w/ auth.)	503
	CAFO Annual Program Reports – Phase 2	122.42(e)(4)
	MS4 Program Reports – Phase 2	122.34(g)(3), 122.42(c)
	Pretreatment Program Annual Reports – Phase 2	403.12(i)
	Industrial User Compliance Reports in Municipalities Without Approved Pretreatment Programs – When EPA or State is Control Authority – Phase 2	403.12(e) & (h)
	Sewer Overflow Event Reports (CSOs, SSOs, Bypass events) – Phase 2	122.41(l)(4), (6), (7), (m)
	CWA 316(b) Annual Reports (Federally Listed Threatened or Endangered Species) – Phase 2	40 CFR 125 Subpart J
Data from States	Require electronic reporting by NPDES-authorized states, territories, tribes, and Regions of <u>program implementation information</u> (permits, inspections, violations, and enforcement actions)	123.41 & 123.43
	Eliminate requirements for the annual state biosolids annual report, semi-annual statistical summary report, phase out state burden for ANCR and QNCR submissions, and rename and modify terms defining Category I and Category II noncompliance to reflect the new data sources	123.45, 501.21

Electronic Reporting Rule

- **Phase 1 – DMR Submissions & Biosolids Reports (21 Dec 2016)**
- **Phase 2 – General Permit and Program Reports (21 Dec 2020)**

Key Concepts

- Proposed regulation will require that NPDES permittees electronically submit most of the required NPDES data (e.g., DMRs, NOIs, program reports) directly to states or EPA.
 - Data submissions would meet EPA's current signatory and chain of custody requirements in Parts 3 (CROMERR) and 122 (NPDES Regs)
- Permittee electronic submissions will be supplemented by authorized state electronic submission:
 - Basic facility and permit data; and
 - Data originating from the states (e.g., inspections, violation determinations, enforcement actions).

Pretreatment Annual Reports

- EPA requires all Pretreatment annual program reports to be electronically submitted to states or EPA in 2020 (Phase 2).
- Technical Workgroup - Every 2 weeks
- Section F of NPDES Permit Application 2A
- Pretreatment Annual Report

Region 8 Annual Report Database

EPA Region 8 Industrial Pretreatment Program

Annual Report of POTW Implementation

Last Updated: 06-26-2016

Built for Microsoft Excel 2013 or newer

Enter Permit Number

Enter Year to use as Baseline

[Generate File](#)

Improved Public Access to Data

- ECHO is EPA's public access tool for NPDES program information.
- ECHO is updated on a weekly basis with ICIS-NPDES data.
- ECHO provides data with a dashboard view.

<https://echo.epa.gov/>

ECHO Enforcement and Compliance History Online

[ECHO Gov Login](#) [Contact Us](#)

Explore Facilities

- Evaluate Compliance**
 - ▶ [All Data](#)
 - ▶ [Air](#)
 - ▶ [Water](#)
 - ▶ [DMR Pollutant Loading Tool](#)
 - ▶ [Hazardous Waste](#)
 - ▶ [Drinking Water](#)
- Find Enforcement Cases**
 - ▶ [EPA Enforcement Case Search](#)
- Dig Deeper**
 - ▶ [Advanced Facility Search](#)
 - ▶ [Advanced EPA Enforcement Case Search](#)

Single Facility Search

Enter facility name or ID

Search Community

Explore Facilities

Create Maps

Analyze Trends

Help

Resources

Advanced Tools

Latest News **ECHO News**

- ▶ [Check here for monthly webinars on ECHO tools!](#)
- ▶ [EPA Enforcement Case Search Enhanced](#)
- ▶ [What's New in ECHO](#)
- ▶ [Join the ECHO Listserv](#)

Improved Public Access to Data

- Number and names of POTWs with approved programs;
- Number and names of industrial users (IUs) in cities without pretreatment programs inspected or sampled;
- Number of significant industrial users (SIUs) and categorical industrial users (CIUs) in approved pretreatment programs and number without control mechanisms
- Number and name of IUs in cities without pretreatment programs that are in compliance/not in compliance with their monitoring/reporting requirements;
- Number and names of IUs that have been issued enforcement actions including the type of enforcement (SNC publication, AO, APO), who issued it (EPA, state, POTW), and any dollar amounts;

Pretreatment Guidance

- Controlling OG from Food Service Establishments
Fact Sheet – Sept 2012
- IU Permitting Guidance Manual – Sept 2012
- Introduction to the Pretreatment Program – June 2011
- Best Practices - NPDES Permit Writers &
Pretreatment Coordinators to Address Toxic and
Hazardous Chemical Discharges to POTWs –Nov
2016

Pretreatment Guidance-Development

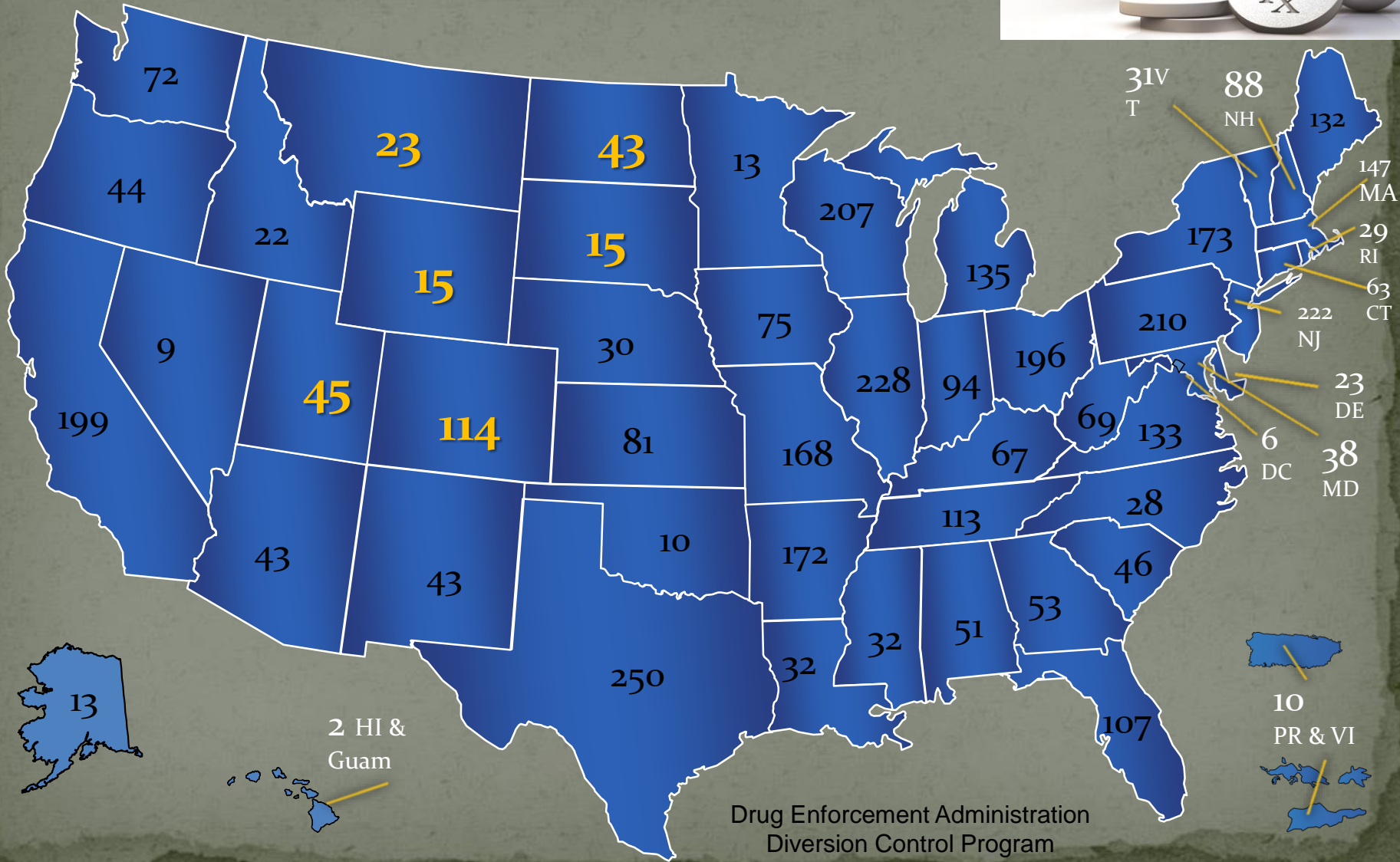
- Hauled Waste Guidance
- Acceptance of Hauled Waste for Anaerobic Digester Enhancement
 - To be included in the Hauled Waste Guidance
- Combined Wastestream Formula
 - Appendix to the Industrial User Permitting Manual
- Enforcement Response Plan Guidance
- IU Inspection and Sampling Guidance
- Production-Based Standards
 - Appendix to the Industrial User Permitting Manual
- POTW Program Development Guidance

DEA National Take Back Programs

- Began in 2010
- Prescription Drug take back locations manned by law enforcement
- 4.1 million pounds
- 13th National Take Back – Saturday, April 29, 2017

11th National Take Back Day: April 30, 2016

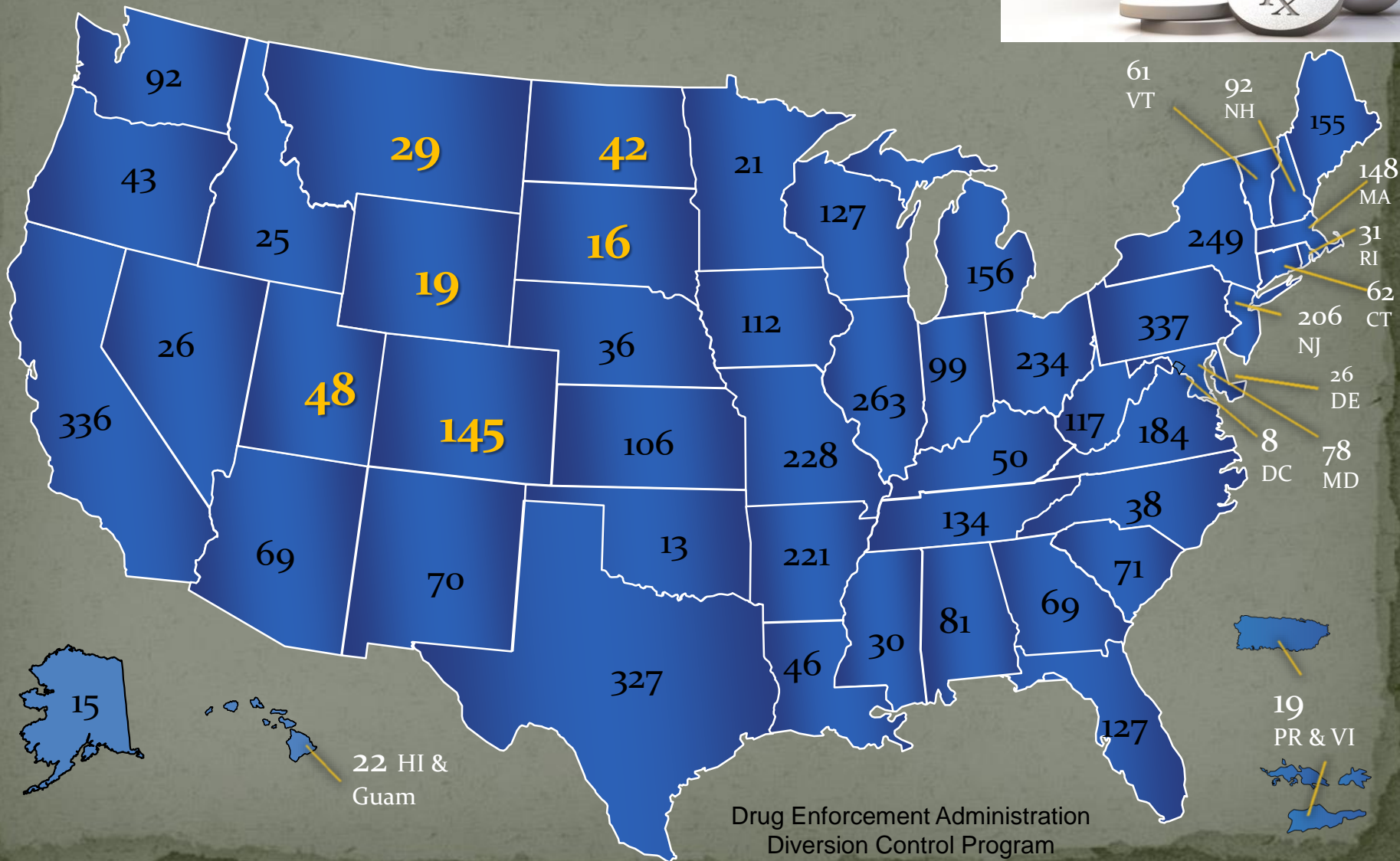
Total Law Enforcement Participation: 4,264



Drug Enforcement Administration
Diversion Control Program

11th National Take Back Day: April 30, 2016

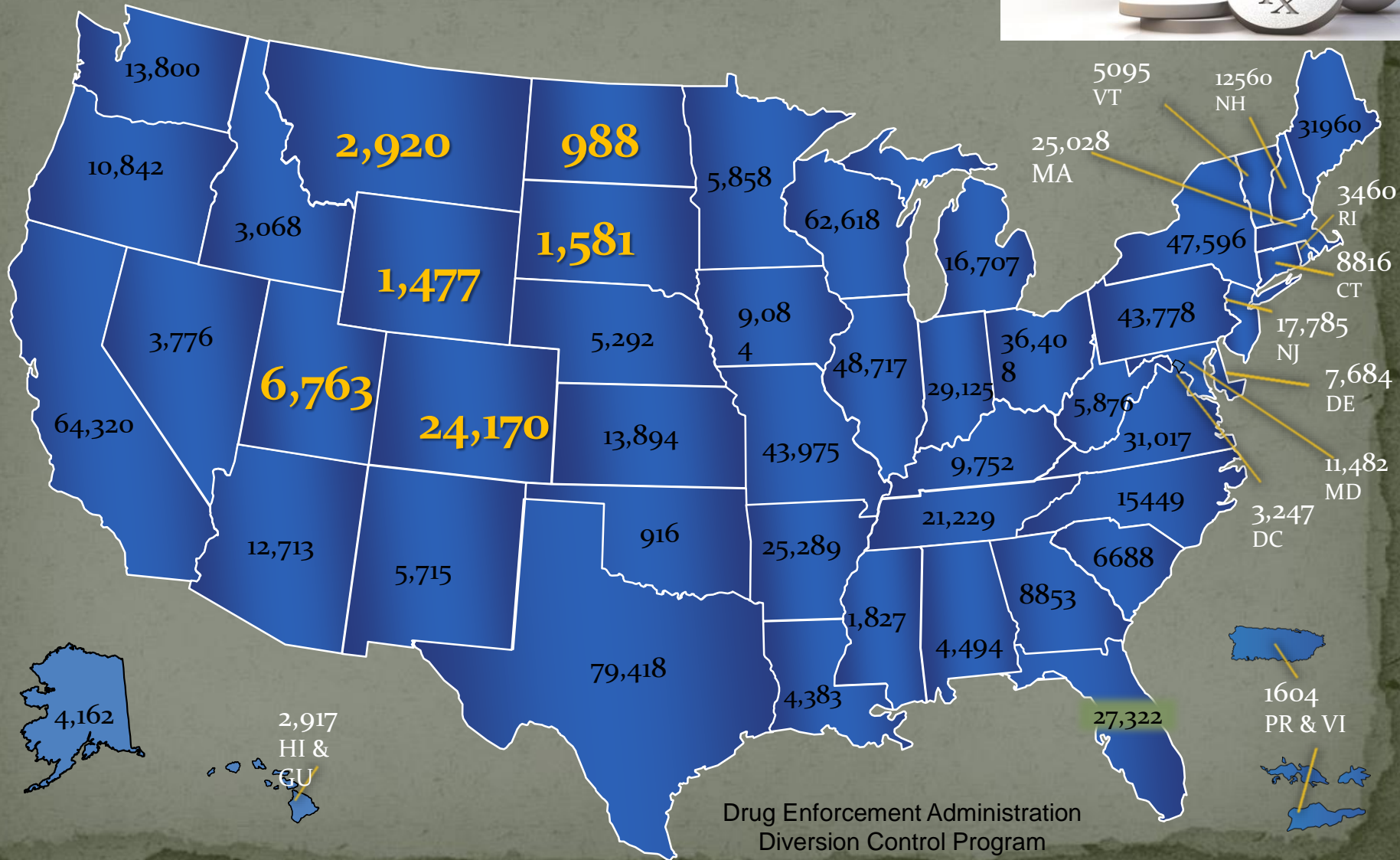
Total Collection Sites: 5,359



Drug Enforcement Administration
Diversion Control Program

11th National Take Back Day: April 30, 2016

Total Weight Collected (pounds): 893,498 (447 Tons)



Drug Enforcement Administration
Diversion Control Program

Colorado Consortium for Prescription Drug Abuse Prevention

- Safe Disposal Workgroup members – EPA, DEA, pharmacies, doctors, care providers, Local/State programs
- Jan 2017 - Colorado Household Medication Take-Back Program with 42 take-back locations in 24 Colorado counties.

<http://takemedsseriously.org/>

Colorado Consortium for Prescription Drug Abuse Prevention

- Permanent collection Boxes
- Local Collection Events
- Home Disposal

EPA Contact Info

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