

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**NPDES Permit No. NN0030345**

In compliance with the provisions of the Clean Water Act (“CWA”) (Public Law 92-500, as amended, 33 U.S.C. 1251 et seq.), the following permittee is authorized to discharge from the identified facility at the outfall location(s) specified below, in accordance with the effluent limits, monitoring requirements, and other conditions set forth in this permit. This permit authorizes the discharge of only those pollutants resulting from pipeline hydrostatic testing and disinfection operations that have been clearly identified in the permit application process.

Permittee Name	Navajo Engineering and Construction Authority (“NECA”)
Permittee Address	P.O. Box 969 Shiprock, New Mexico 87420
Facility Name	NECA Navajo Nation Municipal Pipeline Project
Facility Location Address	Hogback Canal Hogback, New Mexico 87420
Facility Rating	Minor

Outfall Number	General Type Of Waste Discharged	Outfall Latitude	Outfall Longitude	Receiving Water(s)
001	Fill and Flush Water	36° 44’ 42.10” N	108° 32’ 43” W	Hogback Canal, a tributary to San Juan River
002	Fill and Chlorinated Water	36° 47’ 15.57” N	108° 38’ 47.71” W	Hogback Canal, a tributary to San Juan River

This permit was issued on:	<Director signature date>
This permit shall become effective on:	<1 <sup>st</sup> of month following X days after issue date>
permittee	<Effective date + 5 years – 1 day>
In accordance with 40 CFR 122.21(d), the permittee shall submit a new application for a permit at least 180 days before the expiration date of this permit, unless permission for a date no later than the permit expiration date has been granted by the Director.	

Signed this \_\_\_\_ day of \_\_\_\_\_, for the Regional Administrator.

For the Regional Administrator

Tomás Torres, Director  
Water Division  
U.S. EPA, Region 9

## TABLE OF CONTENTS

<b>Part I. EFFLUENT LIMITS AND MONITORING REQUIREMENTS....</b>	<b>3</b>
<i>A. Effluent Limits and Monitoring Requirements .....</i>	<i>3</i>
<i>B. Table 1. Effluent Limits and Monitoring Requirements – Outfalls 001 and 002 .....</i>	<i>4</i>
<i>C. Sampling .....</i>	<i>5</i>
<i>D. General Monitoring and Reporting .....</i>	<i>5</i>
<i>E. Reporting of Monitoring Results .....</i>	<i>5</i>
<b>Part II. STANDARD CONDITIONS .....</b>	<b>6</b>
<b>Part III. SPECIAL CONDITIONS .....</b>	<b>6</b>
<i>A. Notification of Discharge .....</i>	<i>6</i>
<i>B. Permit Reopener .....</i>	<i>6</i>
<i>C. Twenty-four Hour Reporting of Noncompliance .....</i>	<i>7</i>
<i>C. Outfall Erosion Protection Requirements .....</i>	<i>7</i>
<b>Part IV. ATTACHMENTS .....</b>	<b>8</b>
<b>Attachment A: Standard Permit Conditions .....</b>	<b>8</b>
<i>A. All NPDES Permits .....</i>	<i>8</i>
<i>B. Standard Conditions Established by EPA Region 9 for All NPDES Permits .....</i>	<i>16</i>
<b>Attachment B: Definitions.....</b>	<b>22</b>
<b>Attachment C: Map of Hogback Canal/Jewett Valley and Outfall 001 .....</b>	<b>24</b>
<b>Attachment D: Map of Hogback Canal/Shiprock and Outfall 002.....</b>	<b>25</b>
<b>Attachment E: Map of Pipeline along Hogback Canal .....</b>	<b>26</b>
<b>Attachment F: Schematic of Water Flow to Outfall 001 .....</b>	<b>27</b>
<b>Attachment G: Schematic of Water Flow to Outfall 002 .....</b>	<b>28</b>

## **PART I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

### ***A. Effluent Limits and Monitoring Requirements***

1. Effluent Limits – Outfalls 001 and 002

The permittee is authorized to discharge fill, flush and chlorinated water from hydrotesting and disinfection of the newly installed pipeline, in compliance with the effluent limitations and monitoring requirements specified in Table 1.

2. The discharge of pollutants at any point other than Outfalls 001 and 002 specifically authorized in this permit is prohibited.
3. To ensure that the discharge will not cause severe erosion at any discharge locations, and in accordance with the requirements set forth in 40 CFR § 122.45(e), the total volume of flushing waters at Outfall 001 shall not exceed 3,525 gallons per minute (GPM). And the total combined volume of flushing and chlorinated discharges shall not exceed 500 GPM at Outfall 002. In addition, the duration of each discharge shall not exceed 14 days.
4. The permittee shall ensure that its discharge does not result in any waters of the Navajo Nation containing pollutants in amounts or combinations that, for any duration:
  - a. Cause injury to, are toxic to, or otherwise adversely affect human public health, public safety, or public welfare.
  - b. Cause injury to, are toxic to, or otherwise adversely affect the habitation, growth, or propagation of indigenous aquatic plant and animal communities or any member of these communities; of any desirable non-indigenous member of these communities; of waterfowl accessing the water body; or otherwise adversely affect the physical, chemical, or biological conditions on which these communities and their members depend.
  - c. Settle to form bottom deposits, including sediments, precipitates and organic materials, that cause injury to, are toxic to, or otherwise adversely affect the habitation, growth, or propagation of indigenous aquatic plant and animal communities or any member of these communities; of any desirable non-indigenous member of these communities; of waterfowl accessing the water body; or otherwise adversely affect the physical, chemical, or biological conditions on which these communities and their members depend.
  - d. Cause physical, chemical, or biological conditions that promote the habitation, growth or propagation of undesirable, non-indigenous species of plant or animal life in the water body.
  - e. Cause solids, oil, grease, foam, scum, or any other form of objectionable floating

debris on the surface of the water body; may cause a film or iridescent appearance on the surface of the water body; or that may cause a deposit on a shoreline, on a bank, or on aquatic vegetation.

- f. Cause objectionable odor in the area of the water body.
  - g. Cause objectionable taste, odor, color, or turbidity in the water body.
  - h. Cause objectionable taste in edible plant and animal life, including waterfowl that reside in, on or adjacent to the water body.
  - i. Cause the growth of algae or aquatic plants that inhibit or prohibit the habitation, growth, or propagation of other aquatic life or that impair recreational uses.
4. The permittee shall ensure that its discharge does not result in any waters of the Navajo Nation containing toxic pollutants from other than natural sources in amounts, concentrations, or combinations which affect the propagation of fish or which are toxic to humans, livestock or other animals, fish or other aquatic organisms, wildlife using aquatic environments for habitation or aquatic organisms for food, or which will or can reasonably be expected to bioaccumulate in tissues of fish, shellfish, or other aquatic organisms to levels which will impair the health of aquatic organisms or wildlife or result in unacceptable tastes, odors or health risks to human consumers.
  5. The permittee shall not place animal carcasses, refuse, rubbish, demolition or construction debris, trash, garbage, motor vehicles, motor vehicle parts, batteries, appliances, tires, or other solid waste into waters of the Navajo Nation or onto their banks.

**B. Table 1. Effluent Limits and Monitoring Requirements – Outfalls 001 and 002**

Effluent Parameter	Units	Limit		Monitoring Frequency	Sampling Type <sup>(1)</sup>
		Daily Max	Monthly Avg		
Outfalls 001 and 002					
Oil & Grease	mg/l	10	5	Per discharge	Discrete
Total Residual Chlorine	µg/l	11	--	Per discharge	Discrete
Total Suspended Solids	mg/l	30	10	Per discharge	Discrete
pH	S.U.	Between 6.5 and 9.0		Per discharge	Discrete
Turbidity	NTU	50	--	Per discharge	Discrete
Outfall 001					
Flow <sup>(2)</sup>	GPM	3,525 <sup>(2)</sup>	--	Continuous	Metered
Outfall 002					
Flow <sup>(2)</sup>	GPM	500 <sup>(2)</sup>	--	Continuous	Metered

**FOOTNOTES:**

- (1) Monitoring shall occur only when there is a discharge from the testing and disinfection event. If no discharge occurs during the reporting period, no monitoring is required, and the DMR for that month shall indicate that no discharge occurred. If additional testing is performed, results must be reported.
- (2) All flows shall be monitored and reported, as well as the total volume of discharge. Appropriate erosion prevention measures, such as cable concrete mats, shall be used at the outfall location.

### ***C. Sampling***

Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge but prior to entry into the receiving water.

### ***D. General Monitoring and Reporting***

1. All monitoring shall be conducted in accordance with 40 CFR Part 136 test methods, unless otherwise specified in this permit. For effluent analyses required in this permit, the permittee shall utilize 40 CFR Part 136 test methods with published Method Detection Limit and Minimum Level (“MDL” and “ML”) that are lower than the effluent limits in this permit. For parameters without an effluent limit, the permittee must use an analytical method at or below the level of the applicable water quality criterion for the measured pollutant. If all MDLs or MLs are higher than these effluent limits or criteria concentrations, then the permittee shall utilize the test method with the lowest MDL or ML. In this context, the permittee shall ensure that the laboratory utilizes a standard calibration where the lowest standard point is equal to or less than the ML.
2. Monitoring and Records  
Records of monitoring information shall include:
  - a. Date, exact location, and time of sampling or measurements performed, preservatives used;
  - b. Individual(s) who performed the sampling or measurements;
  - c. Date(s) analyses were performed;
  - d. Laboratory(ies) which performed the analyses;
  - e. Analytical techniques or methods used;
  - f. Any comments, case narrative or summary of results produced by the laboratory. These should identify and discuss QA/QC analyses performed concurrently during sample analyses and should specify whether they met project and 40 CFE Part 136 requirements. The summary of results must include information on initial and continuing calibration, surrogate analyses, blanks, duplicates, laboratory control samples, matrix spike and matrix spike duplicate results, sample receipt condition, holding times, and preservation.
  - g. Summary of data interpretation and any corrective action taken by the permittee.
  - h. Effluent limitations for analytes/compounds being analyzed.
3. As part of each DMR submittal, the permittee shall certify that there are no changes to the laboratory’s test methods, MDLs, MLs, or calibration standards. If there are any changes to the laboratory’s test methods, MDLs, MLs, or calibration standards, these changes shall be summarized in an attachment to the subsequent DMR submittal.

### ***E. Reporting of Monitoring Results***

1. All monitoring results shall be submitted in such a format as to allow direct comparison with effluent limitations, monitoring requirements and conditions of this permit. Discharge data obtained during each hydrostatic test event shall be summarized and reported.

#### Monitoring Requirements During Periods of Non-Discharge:

If no discharge occurs during the reporting period, the permittee shall specify “No discharge” on the DMRs. During the time that no hydrostatic test event is scheduled, the permittee shall submit DMRs on a **yearly** basis, due January 28th of each year.

2. Submittal of DMRs and the Use of NetDMR

The permittee shall electronically submit compliance monitoring data and reports using the electronic reporting tools provided by USEPA (NetDMR and NeT) and cease mailing paper DMRs. NetDMR is a web-based tool that allows permittees to electronically submit DMRs and other required reports via a secure internet connection. NetDMR can be registered at <https://cdxnodengn.epa.gov/net-netdmr/> and accessed at <https://netdmr.zendesk.com/hc/en-us>. By using NetDMR, the permittee is no longer required to submit hard copies of DMRs to USEPA under 40 CFR §§ 122.41 and 403.12.

3. Submittal of Reports as NetDMR Attachments

After the permittee begins submitting electronic DMRs, the permittee shall electronically submit all reports as NetDMR attachments rather than as hard copies, unless otherwise specified in this permit. A report submitted electronically as a NetDMR attachment shall be submitted to USEPA by the 28<sup>th</sup> day of the month following the calendar quarter it was due.

## **Part II. STANDARD CONDITIONS**

The permittee shall comply with all U.S. EPA Region “*Standard Federal NPDES Permit Conditions*,” included in Attachment A of this permit.

## **Part III. SPECIAL CONDITIONS**

### ***A. Notification of Discharge***

The permittee shall provide notification to U.S. EPA (Chun Liu at 415-972-3333) and the Navajo Nation EPA (Patrick Antonio at 928-871-7185) at least thirty (30) working days prior to commencement of any discharge of hydrostatic test and clean out water event.

### ***B. Permit Reopener***

At this time, there is no reasonable potential to establish any other water quality-based limits. Should any monitoring indicate that the discharge cause, has the reasonable

potential to cause, or contributes to excursion above a water quality criterion, the permit may be reopened for the imposition of water quality-based limits and/or whole effluent toxicity limits. In accordance with 40 CFR 122 and 124, this permit may be modified to include appropriate conditions or effluent limits, monitoring, or other conditions to implement new regulations, including U.S. EPA-approved new Tribal water quality standards; or to address new information indicating the presence of effluent toxicity or the reasonable potential for the discharge to cause or contribute to exceedances of water quality standards.

**C. *Twenty Four-Hour Reporting of Noncompliance***

In accordance with 40 CFR 122.41(l)(6), the following condition is expressly incorporated into this permit. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally<sup>1</sup> within 24 hours from the time the permittee becomes aware of the circumstances to the following persons or their offices:

U.S. EPA Region 9  
Wastewater Enforcement Office (ENF-3-1)  
Manager: (415) 947-4179  
75 Hawthorne Street  
San Francisco, CA 94105

Navajo Nation EPA  
NPDES Program  
Patrick Antonio: (928) 871-7185  
P.O. Box 339  
Window Rock, AZ 86515

A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including dates and times, and, if the noncompliance has not been corrected, the data and/or time it is expected to be corrected; and, steps and/or plans to reduce, eliminate, and prevent reoccurrence of the noncompliance.

**D. *Outfall Erosion Protection Requirements***

**1. *Outfall Erosion Protection***

In accordance with Section 304(e) of the CWA and 40 CFR § 122.44(k), the Permittee must develop and implement appropriate control measures or Best Management Practices (“BMPs”) designed for outfall erosion control protection and/or energy dissipation at the outfall location to prevent erosion and scouring of the channel during periods of high flow volume discharge. Such BMPs may include rip rap, perforated pipe, construction of a splash pool, diffuser, or other means that will slow down the velocity of the discharge and maintain a stable channel.

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<sup>1</sup>Oral reporting means direct contact with both a USEPA and an NNEPA staff person. If the permittee is unsuccessful in reaching a staff person at both USEPA and NNEPA, the permittee shall provide a written notification by 9 a.m. on the first business day following the noncompliance.

- a. The Permittee shall develop (or update) or implement an Erosion Control Plan (the “Plan”) that describes preventive measures or BMPs that specifically apply to the discharge location. The permittee shall implement timely corrective actions and revise BMPs, as necessary.
- b. The Plan must identify the areas of the outfall that have a potential for significant soil erosion, and must describe the structural, vegetative, and/or stabilization BMPs that are or will be implemented to limit erosion.
- c. The Plan may include constructing temporary earth plugs at the outfall locations within the canal creating a pond capable of capturing all water necessary to test and disinfect the pipeline; and placing cable concrete mats placed on the side slopes and the bottom width of the irrigation canal to prevent erosion.

At the completion of the disinfection and testing of the pipeline, the permittee shall remove the temporary earth plugs and ensure that the irrigation canal be restored to its original configuration.

## **2. Outfall Monitoring Inspection**

The Permittee shall establish a monitoring procedure and recordkeeping to evaluate the effects of the discharge on the canal. The monitoring procedure shall consist of visual monitoring at the discharge points.

If significant erosion or potential flooding is observed, the permittee shall notify USEPA and NNEPA within 24 hours. The Permittee may be required to institute protective measures as necessary in order to minimize flooding or erosion.

## **Part IV. ATTACHMENTS**

### **Attachment A: Standard Permit Conditions**

#### ***A. All NPDES Permits***

In accordance with 40 CFR § 122.41, the following conditions apply to all NPDES permits and are expressly incorporated into this permit.

1. Duty to comply; at 40 CFR § 122.41(a).

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

- a. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the CWA for toxic pollutants and with standards for sewage sludge use or disposal established under 405(d) of the CWA within the time provided in the regulations that established these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
- b. The CWA provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The CWA provides that any person who *negligently* violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than 1 year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than 2 years, or both. Any person who *knowingly* violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than 3 years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than 6 years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, such as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.
- c. Any person may be assessed an administrative penalty by the Administrator for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed

\$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.

2. Duty to reapply; at 40 CFR § 122.41(b).

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

3. Need to halt or reduce activity not a defense; at 40 CFR § 122.41(c).

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4. Duty to mitigate; at 40 CFR § 122.41(d).

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

5. Proper operation and maintenance; at 40 CFR § 122.41(e).

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

6. Permit actions; at 40 CFR § 122.41(f).

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Property rights; at 40 CFR § 122.41(g).

This permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to provide information; at 40 CFR § 122.41(h).

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this

permit. The permittee shall also furnish to the Director upon request, copies of records required to be kept by this permit.

9. Inspection and entry; at 40 CFR § 122.41(i).

The permittee shall allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Administrator), upon presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the CWA, any substances or parameters at any location.

10. Monitoring and records; at 40 CFR § 122.41(j).

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample measurement, report or application. This period may be extended by request of the Director at any time.
- c. Records of monitoring information shall include:
  - (i) The date, exact place, and time of sampling or measurements;
  - (ii) The individual(s) who performed the sampling or measurements;
  - (iii) The date(s) analyses were performed

- (iv) The individuals(s) who performed the analyses;
    - (v) The analytical techniques or methods used; and
    - (vi) The results of such analyses.
  - d. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, unless other test procedures have been specified in the permit.
  - e. The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both.
11. Signatory requirement; at 40 CFR § 122.41(k).
- a. All applications, reports, or information submitted to the Director shall be signed and certified. (See 40 CFR § 122.22.)
  - b. The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
12. Reporting requirements; at 40 CFR § 122.41(l).
- a. Planned changes. The permittee shall give notice to the Director as soon as possible of any planned physical alternations or additions to the permitted facility. Notice is required only when:
    - (i) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR § 122.29(b); or
    - (ii) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR § 122.42(a)(1).

- (iii) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;
- b. Anticipated noncompliance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c. Transfers. This permit is not transferable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the CWA. (See 40 CFR § 122.61; in some cases, modification or revocation and reissuance is mandatory.)
- d. Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
  - (i) Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms provided or specified by the Director for reporting results of monitoring of sludge use or disposal practices.
  - (ii) If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 503, or as specified in the permit, the results of such monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Director.
  - (iii) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Director in the permit.
- e. Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- f. Twenty-four-hour reporting.
  - (i) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours

from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(ii) The following shall be included as information which must be reported within 24 hours under this paragraph.

(A) Any unanticipated bypass which exceeds any effluent limitation in the permit. (See 40 CFR § 122.41(g).)

(B) Any upset which exceeds any effluent limitation in the permit.

(C) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit to be reported within 24 hours. (See 40 CFR § 122.44(g).)

(iii) The Director may waive the written report on a case-by-case basis for reports under 40 CFR § 122.41(l)(6)(ii) of this section if the oral report has been received within 24 hours.

g. Other noncompliance. The permittee shall report all instances of noncompliance not reported under 40 CFR § 122.41(l)(4), (5), and (6) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (l)(6) of this section.

h. Other information. Where the permittee becomes aware that it has failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

i. Identification of the initial recipient for NPDES electronic reporting data. The owner, operator, or the duly authorized representative of an NPDES-regulated entity is required to electronically submit the required NPDES information (as specified in Appendix A to 40 CFR Part 127) to the appropriate initial recipient, as determined by EPA, and as defined in 40 CFR § 127.2(b) of this chapter. EPA will identify and publish the list of initial recipients on its website and in the Federal Register, by state and by NPDES data group [see 40 CFR § 127.2(c) of this chapter]. EPA will update and maintain this listing.

13. Bypass; at 40 CFR § 122.41(m).

a. Definitions.

- (i) “Bypass” means the intentional diversion of waste streams from any portion of a treatment facility.
- (ii) “Severe property damage” means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 40 CFR § 122.41(m)(3) and (m)(4) of this section.

c. Notice.

- (i) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.
- (ii) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph (l)(6) of this section (24-hour notice).

d. Prohibition of bypass.

- (i) Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:
  - (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and
  - (C) The permittee submitted notices as required under paragraph (m)(3) of this section.

- (ii) The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph (m)(4)(i) of this section.

14. Upset; at 40 CFR § 122.41(n).

- a. Definition. “Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.
- b. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of paragraph (n)(3) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- c. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (i) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (ii) The permitted facility was at the time being properly operated; and
  - (iii) The permittee submitted notice of the upset as required in paragraph (l)(6)(ii)(B) of this section (24-hour notice).
  - (iv) The permittee complied with any remedial measures required under paragraph (d) of this section.
- d. Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

***B. Standard Conditions Established by EPA Region 9 for All NPDES Permits***

1. Duty to reapply; at 40 CFR § 122.21(d).

- a. Any POTW with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Director. (The Director shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)

- b. All other permittees with currently effective permits shall submit a new application at least 180 days before the existing permit expires, except that the Regional Administrator may grant permission to submit an application later than the deadline for submission otherwise applicable, but no later than the permit expiration date.
2. Signatories to permit applications and reports; at 40 CFR § 122.22.
- a. Applications. All permit applications shall be signed as follows:
    - (i) For a corporation. By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decisionmaking functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: EPA does not require specific assignments or delegations of authority to responsible corporate officers identified in 40 CFR § 122.22(a)(1)(i). The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under 40 CFR § 122.22(a)(1)(ii) rather than to specific individuals.
    - (ii) For a partnership or sole proprietorship. By a general partner or the proprietor, respectively; or
    - (iii) For a municipality, State, Federal, or other public agency. By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

- b. All reports required by permits, and other information requested by the Director shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - (i) The authorization is made in writing by a person described in paragraph (a) of this section;
  - (ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters of the company, (A duly authorized representative may thus be either a named individual or any individual occupying a named position.) and,
  - (iii) The written authorization is submitted to the Director.
- c. Changes to authorization. If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative.
- d. Certification. Any person signing a document under paragraph (a) or (b) of this section shall make the following certification:

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

3. Reopener Clause; at 40 CFR § 122.44(c).

For any permit issued to a treatment works treating domestic sewage (including “sludge-only facilities”), the Director shall include a reopener clause to incorporate any applicable standard for sewage sludge use or disposal promulgated under section 405(d) of the CWA. The Director may promptly modify or revoke and reissue any permit containing the reopener clause required by this paragraph if the standard for sewage sludge use or disposal is more stringent than any requirements for sludge use or disposal in the permit, or controls a pollutant or practice not limited in the permit.

4. Transfer of permits; at 40 CFR § 122.61.

- a. Transfers by modification. Except as provided in paragraph (b) of this section, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under 40 CFR § 122.62(b)(2)), or a minor modification made (under 40 CFR § 122.63(d)), to identify the new permittee and incorporate such other requirements as may be necessary under CWA.
- b. Automatic transfers. As an alternative to transfers under paragraph (a) of this section, any NPDES permit may be automatically transferred to a new permittee if:
  - (i) The current permittee notifies the Director at least 30 days in advance of the proposed transfer date in paragraph (b)(2) of this section;
  - (ii) The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
  - (iii) The Director does not notify the existing permittee and the proposed new permittee of his or her intent to modify or revoke and reissue the permit. A modification under this subparagraph may also be a minor modification under 40 CFR § 122.63. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph (b)(2) of this section.

5. Minor modifications of permits; at 40 CFR § 122.63.

Upon the consent of the permittee, the Director may modify a permit to make the corrections or allowances for changes in the permitted activity listed in this section, without following the procedures of 40 CFR Part 124. Any permit modification not processed as a minor modification under this section must be made for cause and with 40 CFR Part 124 draft permit and public notice as required in 40 CFR § 122.62. Minor modifications may only:

- a. Correct typographical errors;
- b. Require more frequent monitoring or reporting by the permittee;
- c. Change an interim compliance date in a schedule of compliance, provided the new date is not more than 120 days after the date specified in the existing permit and does not interfere with attainment of the final compliance date requirement; or
- d. Allow for a change in ownership or operational control of a facility where the Director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage, and liability between the current and new permittees has been submitted to the Director.

- e. (1) Change the construction schedule for a discharger which is a new source. No such change shall affect a discharger's obligation to have all pollution control equipment installed and in operation prior to discharge under 40 CFR § 122.29.
- (2) Delete a point source outfall when the discharge from that outfall is terminated and does not result in discharge of pollutants from other outfalls except in accordance with permit limits.
- f. [Reserved]
- g. Incorporate conditions of a POTW pretreatment program that has been approved in accordance with the procedures in 40 CFR § 403.11 (or a modification thereto that has been approved in accordance with the procedures in 40 CFR § 403.18) as enforceable conditions of the POTW's permits.

6. Termination of permits; at 40 CFR § 122.64.

- a. The following are causes for terminating a permit during its term, or for denying a permit renewal application:
  - (i) Noncompliance by the permittee with any conditions of the permit;
  - (ii) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time;
  - (iii) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination; or
  - (iv) A change in any condition that requires either a temporary or permanent reduction or elimination of any discharge or sludge use or disposal practice controlled by the permit (for example, plant closure or termination of discharge by connection to a POTW).
- b. The Director shall follow the applicable procedures in 40 CFR Part 124 or 40 CFR § 122.22, as appropriate (or State procedures equivalent to 40 CFR Part 124) in terminating any NPDES permit under this section, except that if the entire discharge is permanently terminated by elimination of the flow or by connection to a POTW (but not by land application or disposal into a well), the Director may terminate the permit by notice to the permittee. Termination by notice shall be effective 30 days after notice is sent, unless the permittee objects within that time. If the permittee objects during that period, the Director shall follow 40 CFR Part 124 or applicable

State procedures for termination. Expedited permit termination procedures are not available to permittees that are subject to pending State and/or Federal enforcement actions including citizen suits brought under State or Federal law. If requesting expedited permit termination procedures, a permittee must certify that it is not subject to any pending State or Federal enforcement actions including citizen suits brought under State or Federal law. State-authorized NPDES programs are not required to use part 22 of this chapter's procedures for NPDES permit terminations.

7. Availability of Reports; pursuant to CWA section 308

Except for data determined to be confidential under 40 CFR Part 2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Regional Administrator. As required by the CWA, permit applications, permits, and effluent data shall not be considered confidential.

8. Removed Substances; pursuant to CWA section 301

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials entering waters of the U.S.

9. Severability; pursuant to CWA section 512

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and remainder of this permit, shall not be affected thereby.

10. Civil and Criminal Liability; pursuant to CWA section 309

Except as provided in permit conditions on "Bypass" and "Upset", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

11. Oil and Hazardous Substances Liability; pursuant to CWA section 311

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the CWA.

12. State, Tribe, or Territory Law; pursuant to CWA section 510

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the operator from any responsibilities, liabilities, or penalties established pursuant to any applicable State, Tribe, or Territory law or regulation under authorities preserved by CWA section 510.

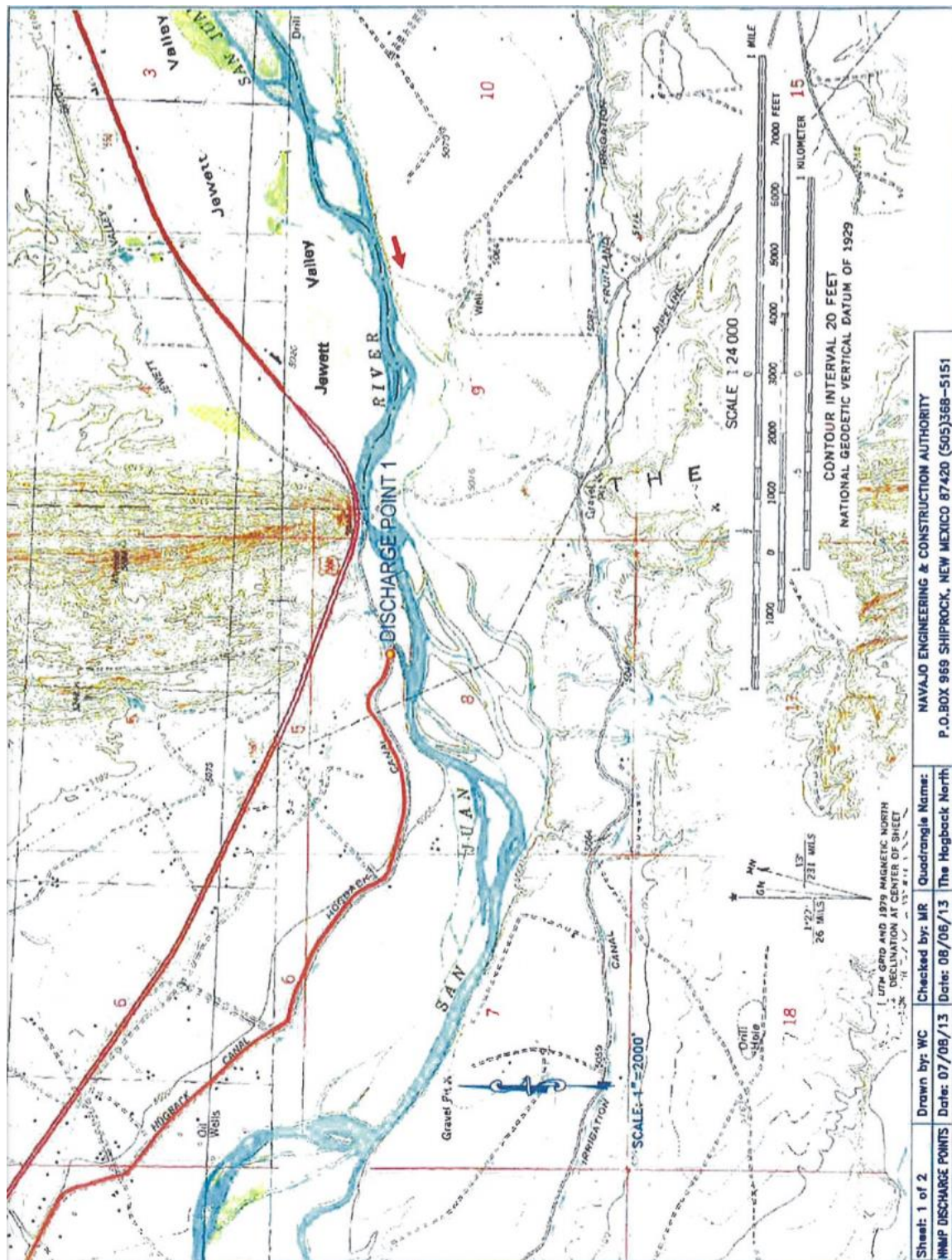
## Attachment B: Definitions

1. An **“average monthly discharge limitation”** means the highest allowable average of “daily discharges” over a calendar month, calculated as the sum of all “daily discharges” measured during a calendar month divided by the number of “daily discharges” measured during that month.
2. An **“average weekly discharge limitation”** means the highest allowable average of “daily discharges” over a calendar week, calculated as the sum of all “daily discharges” measured during a calendar week divided by the number of “daily discharges” measured during that week.
3. A **“composite”** sample means a time-proportioned mixture of not less than eight (8) discrete aliquots obtained at equal time intervals (e.g., 24-hour composite means a minimum of eight samples collected every three hours). The volume of each aliquot shall be directly proportional to the discharge flow rate at the time of sampling, but not less than 100 ml. Sample collection, preservation, and handling shall be performed as described in the most recent edition of 40 CFR § 136.3, Table II. Where collection, preservation, and handling procedures are not outlined in 40 CFR § 136.3, procedures outlined in the 18th edition of Standard Methods for the Examination of Water and Wastewater shall be used.
4. A **“daily discharge”** means the **“discharge of a pollutant”** measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the “daily discharge” is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the “daily discharge” is calculated as the average measurement of the pollutant over the day.
5. A **“daily maximum allowable effluent limitation”** means the highest allowable “daily discharge” measured during a calendar day or 24-hour period representing a calendar day.
6. A **“DMR”** is a **“Discharge Monitoring Report”** that is an EPA uniform national form, including any subsequent additions, revisions, or modifications for reporting of self-monitoring results by the permittee.
7. A **“grab”** sample is a single sample collected at a particular time and place that represents the composition of the discharge only at that time and place. Sample collection, preservation, and handling shall be performed as described in the most recent edition of 40 CFR § 136.3, Table II. Where collection, preservation, and handling procedures are not outlined in 40 CFR § 136.3, procedures outlined in the 18th edition of Standard Methods for the Examination of Water and Wastewater shall be used.
8. The **“method detection limit”** or **“MDL”** is the minimum concentration of an analyte that can be detected with 99% confidence that the analyte concentration is greater than zero, as

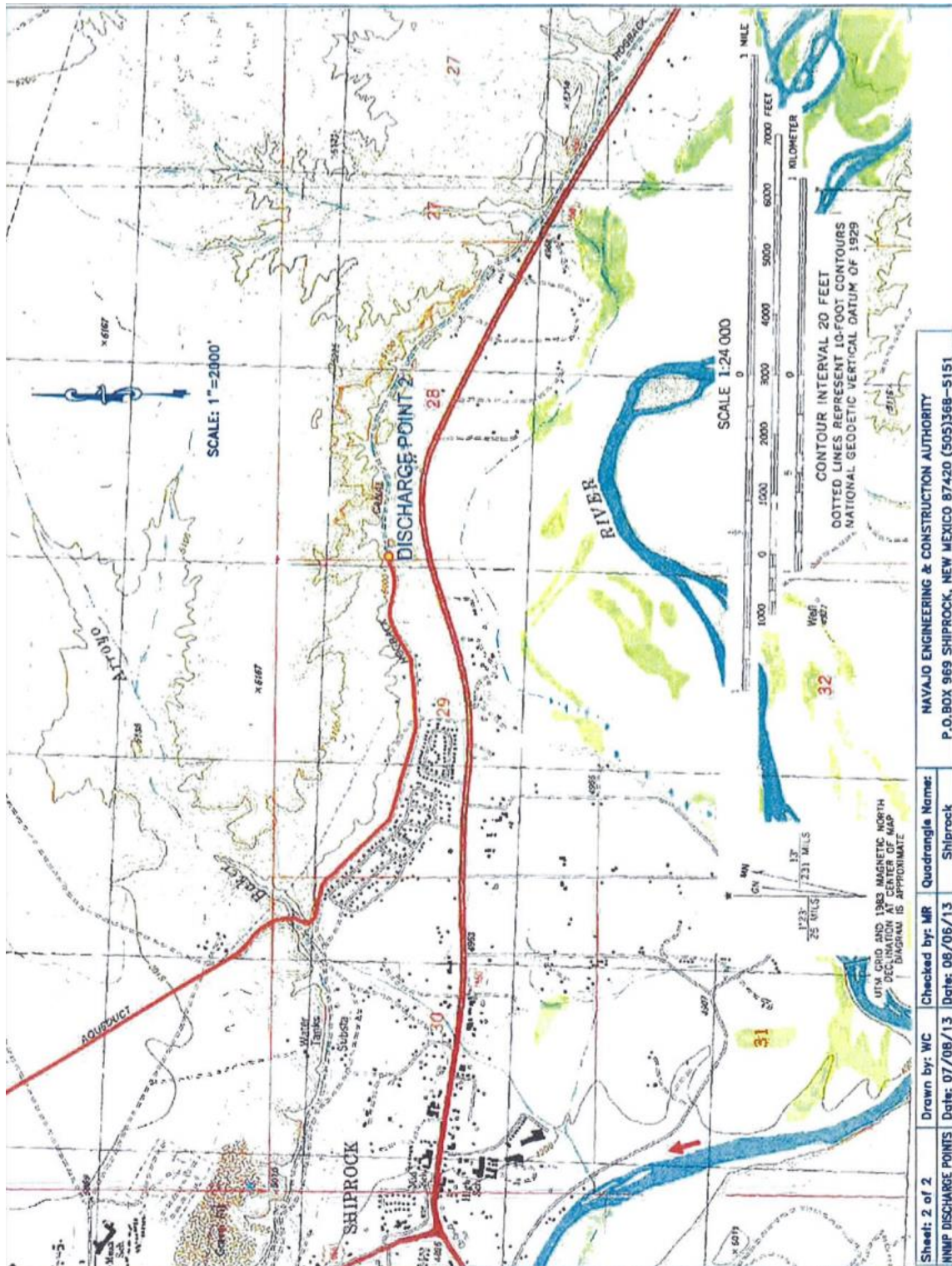
defined by a specific laboratory method in 40 CFR Part 136. The procedure for determination of a laboratory MDL is in 40 CFR Part 136, Appendix B.

9. The “**minimum level**” or “**ML**” is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed in a specific analytical procedure, assuming that all the method-specific sample weights, volumes, and processing steps have been followed (as defined in EPA’s draft National Guidance for the Permitting, Monitoring, and Enforcement of Water Quality-Based Effluent Limitations Set Below Analytical Detection/Quantitative Levels, March 22, 1994). If a published method-specific ML is not available, then an interim ML shall be calculated. The interim ML is equal to 3.18 times the published method-specific MDL rounded to the nearest multiple of 1, 2, 5, 10, 20, 50, etc. (When neither an ML nor MDL are available under 40 CFR Part 136, an interim ML should be calculated by multiplying the best estimate of detection by a factor of 3.18; when a range of detection is given, the lower end value of the range of detection should be used to calculate the ML.) At this point in the calculation, a different procedure is used for metals than non-metals:
  - a. For metals, due to laboratory calibration practices, calculated MLs may be rounded to the nearest whole number.
  - b. For non-metals, because analytical instruments are generally calibrated using the ML as the lowest calibration standard, the calculated ML is then rounded to the nearest multiple of  $(1, 2, \text{ or } 5) \times 10^n$ , where  $n$  is zero or an integer. (For example, if an MDL is  $2.5 \mu\text{g/l}$ , then the calculated ML is:  $2.5 \mu\text{g/l} \times 3.18 = 7.95 \mu\text{g/l}$ . The multiple of  $(1, 2, \text{ or } 5) \times 10^n$  nearest to 7.95 is  $1 \times 10^1 = 10 \mu\text{g/l}$ , so the calculated ML, rounded to the nearest whole number, is  $10 \mu\text{g/l}$ .)
10. A “**NODI(B)**” means that the concentration of the pollutant in a sample is not detected. NODI(B) is reported when a sample result is less than the laboratory’s MDL.
11. A “**NODI(Q)**” means that the concentration of the pollutant in a sample is detected but not quantified. NODI(Q) is reported when a sample result is greater than or equal to the laboratory’s MDL, but less than the ML.

## Attachment C - Map of Hogback Canal/Jewett Valley and Outfall 001



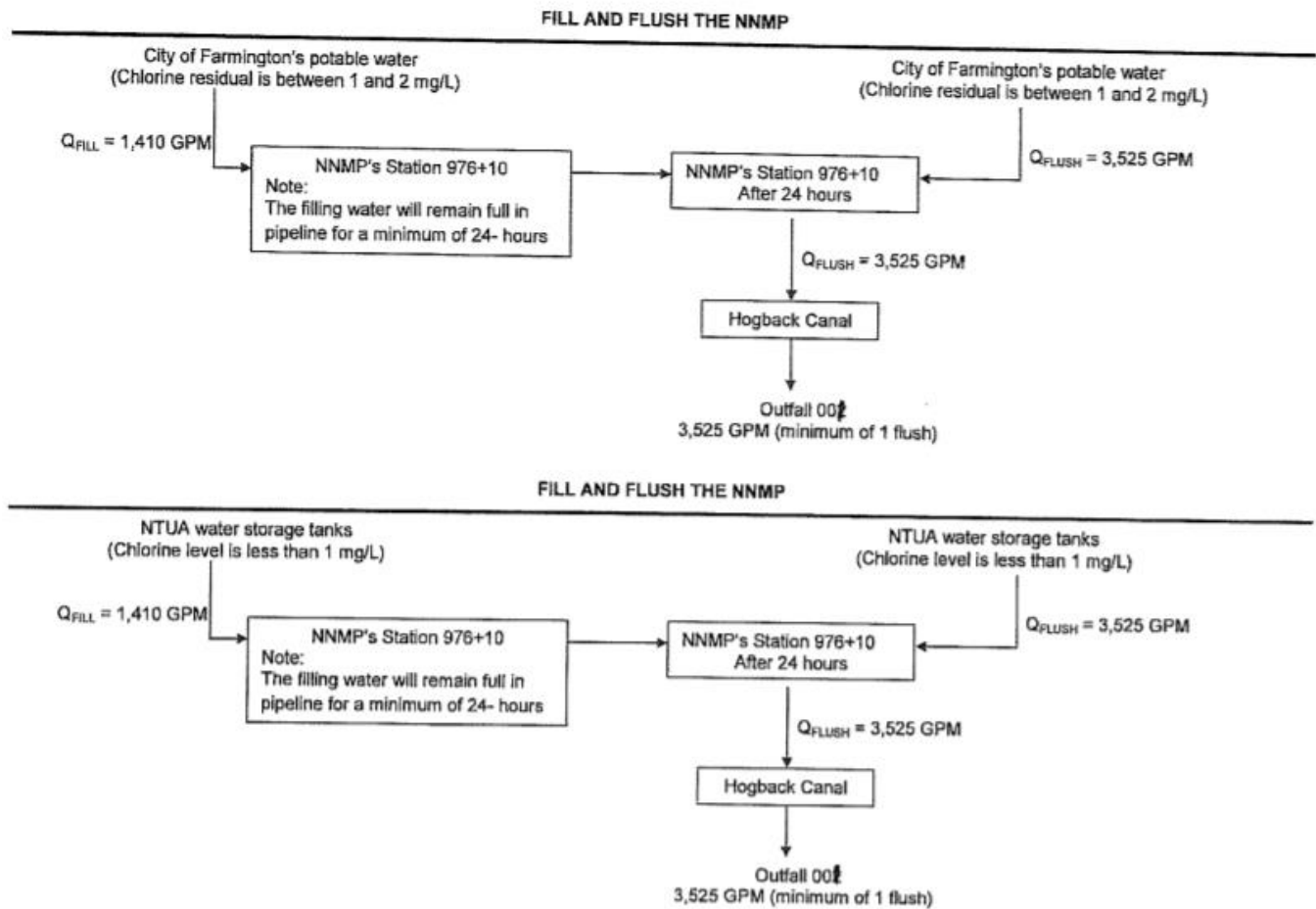
## Attachment D - Map of Hogback Canal/Shiprock and Outfall 002



Topographic map of the San Juan River area near Tuba City, Arizona. The map shows the San Juan River flowing from the bottom left towards the top right. A red line indicates the Hogback Pipeline, which runs parallel to the river. A red line also indicates the Hogback Canal. The map includes contour lines representing 20-foot intervals, with a note stating "DOTTED LINES REPRESENT 10-FOOT CONTOURS NATIONAL GEODETIC VERTICAL DATUM OF 1929". A scale bar at the bottom right shows distances in miles (0 to 1) and kilometers (0 to 1). A north arrow is located in the upper right. The map is titled "SAN JUAN RIVER" and "TUBA CITY, ARIZONA". The map is drawn by WC and checked by MR. The date is 07/08/13. The quadrangle name is Butteville. The map is sheet 1 of 1.

Sheet: 1 of 1	Drawn by: WC	Checked by: MR	Quadrangle Name: Butteville
SNMP DISCHARGE POINTS	Date: 07/08/13	Date: 07/08/13	Butteville
NAVAJO ENGINEERING & CONSTRUCTION AUTHORITY			P.O. BOX 959 SHIPBOCK, NEW MEXICO 87420 (505) 258-5454

## Attachment F: Schematic of Water Flow to Outfall 001



## Attachment G: Schematic of Water Flow to Outfall 002

