

LA-UR-11-10666

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Title: NPDES Storm Water Individual Permit Presentation Package

Author(s): Lopez, Lorraine B.

Intended for: Individual Permit for Storm Water, 2011-05-17 (Pojoaque, New Mexico, United States)
US EPA
Storm water
Reading Room
IP



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Individual Permit for Storm Water

**Program Implementation Update
Cities of Gold Conference Center
May 17, 2011**

Scope of Meeting

- **Purpose of this meeting**
 - Share information
 - Project status
 - Not designed to include
 - discussions about the scope of the permit
 - LANL's programmatic priorities
- **Focus is on permit compliance actions**
- **If time permits, a brief Q&A session will be held after each presentation**
- **Opportunity to ask detailed questions during the poster session**

Agenda

Time	Subject	Speaker
5:30 – 6:15	Poster Session	
6:15 – 6:20	Introduction and Meeting Structure	Bruce MacAllister
6:20 – 6:25	Environmental Stewardship @ LANL	Denny Hjeresen
6:25 – 6:35	Regulatory Evolution	Gene Turner
6:35 – 7:00	Compliance Framework for IP	Terrill Lemke
7:00 – 7:30	Implementation of Individual Permit	Steve Veenis
7:30 – 7:40	Presentation wrap up and ideas for next update	Bruce MacAllister
7:40 – 8:30	Technical Discussions in Poster Area	

General Ground Rules

- **Please wait until the scheduled time to provide comments or to ask questions**
- **Please identify yourself before speaking**
- **Please keep your questions short**
 - remember there may be others waiting to ask questions
- **Please honor the process by keeping questions and comments civil and by using appropriate language**
- **Please yield the floor if requested by the facilitator**
- **Please help the participants and facilitator ensure that the agenda content and timeframes are met**

Public Involvement

Lorrie Bonds Lopez Outreach and Public Involvement

Extensive Public Involvement Requirements

7 Public Involvement

- (a) **Website:** Within six (6) months after the effective date of the Permit, the Permittees shall establish a public web site where information on the Permit, including the SDPPP, Annual Reports, Inspection Reports, DMRs, transmittal correspondence between Permittees and EPA, and other relevant data and documents, will be made available. A copy (either paper or electronic) of these documents will also be made available by the Permittees as soon as practicable to any member of the public who makes such a request in writing. Confidential Business Information (CBI) may not be withheld from regulatory agencies, but may be withheld from the public. All portions of the SDPPP not identified as CBI, pursuant to 40 CFR Part 2, must be provided to the public upon request.
- (b) **E-mail notification:** The Permittees will provide the opportunity for members of the public to register for and receive e-mail notifications on compliance with the Permit on the public web site. E-mail notifications will provide notice of completion of installation of baseline control measures, updates on permit compliance, any requests for time extensions, spill information, and notification of any modification to the Permit or SDPPP including changing SMA locations, removing, deleting, or adding sites, and completions of corrective action. Such notifications will have a direct link to the specific document to which it relates. Notice will also be provided for any request to complete correction action under Section 1E3 of the Permit.
- (c) **Public Meetings:** The Permittees shall publish a public notice and send an email notification to members of the public who have registered as provided in Section 7(b) about public meetings which will be held approximately every 6 months. The Permittees shall update the public on implementation of and compliance with the permit and provide an opportunity for both written and oral public comment. The meetings may be combined with other public meetings, but Permittees shall provide a discrete, separate time for comment and discussion of this Permit. Permittees shall email a draft Agenda at least one week before the meeting and will consider suggestions from the public for changes or additions to the Agenda.

Public meetings

- Will be held approximately every 6 months
- The Permittees shall publish a public notice and send an email notification to members of the public
- Permittees shall email a draft agenda at least one week before the meeting

Agenda

- 5:30 Educational and Project Execution Posters presented by experts on the subject
- 6:15 Introductions and meeting structure
- 6:20 Environmental Stewardship at Los Alamos National Laboratory by Denny Hjeresen, Division Leader, Environmental Protection, LANL
- 6:25 Regulatory Evolution for Storm Water Regulation by Gene Turner, Federal Program Director, Los Alamos Site Office
- 6:35 Compliance Framework of the Individual Permit by Terrill Lemke, Group Leader, LANL
- 7:00 Implementation of the Individual Permit by Steve Veenis, Program Manager, LANL
- 7:30 Wrap up and topics for the next update
- 7:40 - 8:30 Technical and Educational Discussion in the Poster Area

If you have questions about or suggestions for this agenda, please contact us.

Los Alamos National Laboratory
Environmental Communication & Public Involvement
P.O. Box 1663
MS M992
Los Alamos, NM 87545
Phone: 505-667-0216
FAX: 505-665-4747
envoutreach@lanl.gov

Permittees shall establish a public web site

- Launched live on 4/29/11
- <http://www.lanl.gov/environment/h2o/ipshtml>
- More on this later

Provide the opportunity for members of the public to register for and receive e-mail notifications

- Available May 2008 and through GovDelivery 02/19/10 Specific IP subject in April 2011
- Includes notifications of baseline control measures, permit compliance, requests for time extensions, spill information, and modification to the Permit or SDPPP and completions of corrective action



TOP STORIES
<http://www.lanl.gov>



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Documents

- On website: www.eprp.lanl.gov
 - SDPPP
 - Annual Reports
 - Inspection Reports
 - DMRs
 - transmittal correspondence between Permittees and EPA
 - other relevant data and documents
- Copy (either paper or electronic) of these documents will also be made available by the Permittees as soon as practicable to any member of the public who makes such a request in writing

Supporting National Security, Protecting the Environment:

Individual Permit Public Meeting

Presented by

**Dennis Hjeresen, Environmental
Protection Division Leader**

May 17, 2011

LANL has been assigned critical national missions

Operations entail working with huge range of potentially toxic materials

- Certifying safety and operability of the nuclear stockpile
- High-explosives research
- Counter Terrorism
- Materials Sciences
- Energy Sciences

Toxicity and persistence of potential contaminants reinforces need for controls

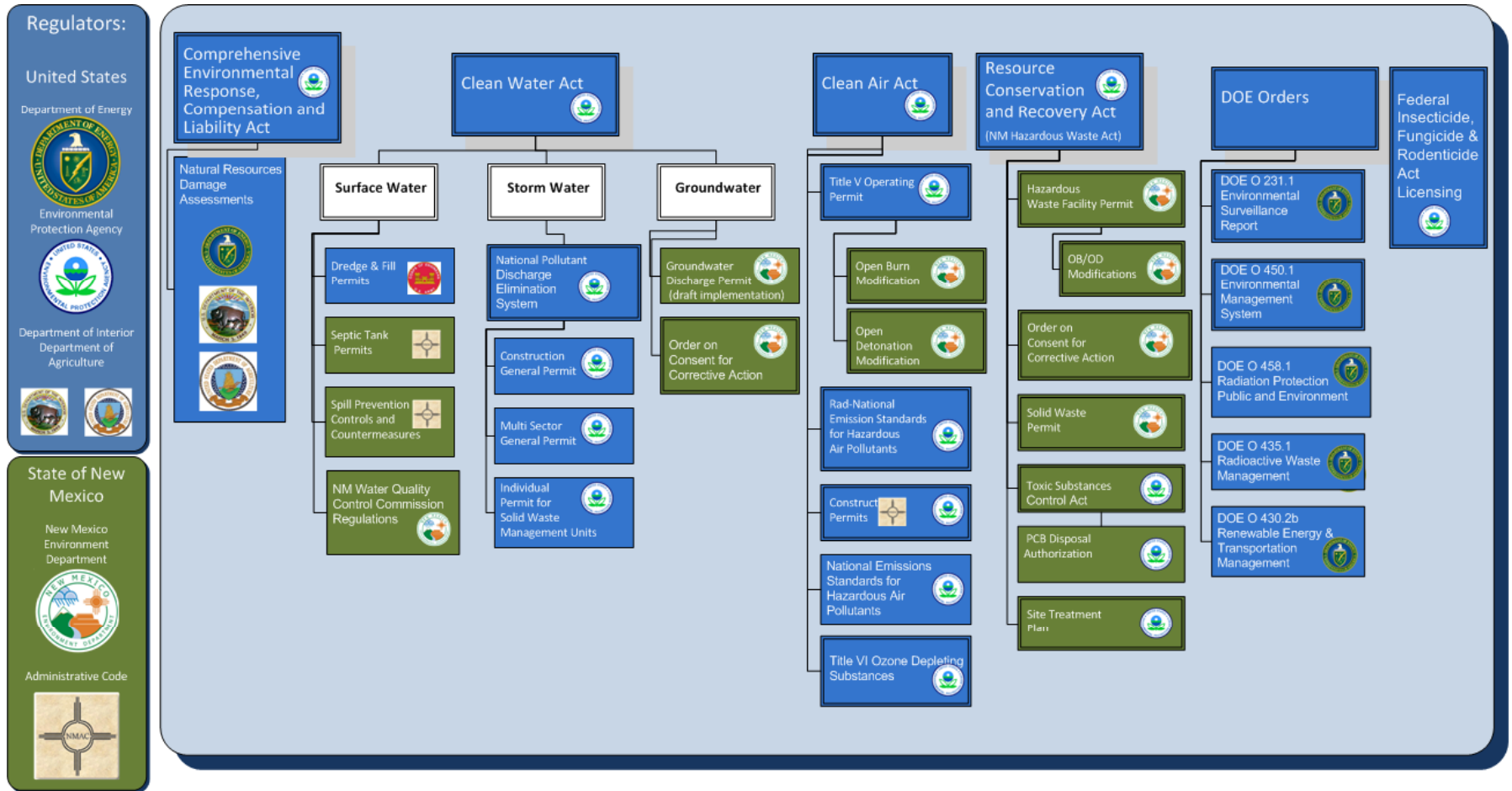
hydrogen 1 H 1.0079																	helium 2 He 4.0026	
lithium 3 Li 6.941	beryllium 4 Be 9.0122											boron 5 B 10.811	carbon 6 C 12.011	nitrogen 7 N 14.007	oxygen 8 O 15.999	fluorine 9 F 18.998	neon 10 Ne 20.180	
sodium 11 Na 22.990	magnesium 12 Mg 24.305											aluminum 13 Al 26.982	silicon 14 Si 28.086	phosphorus 15 P 30.974	sulfur 16 S 32.065	chlorine 17 Cl 35.453	argon 18 Ar 39.948	
potassium 19 K 39.098	calcium 20 Ca 40.078	scandium 21 Sc 44.956	titanium 22 Ti 47.867	vanadium 23 V 50.942	chromium 24 Cr 51.996	manganese 25 Mn 54.938	iron 26 Fe 55.845	cobalt 27 Co 58.933	nickel 28 Ni 58.693	copper 29 Cu 63.546	zinc 30 Zn 65.39	gallium 31 Ga 69.723	germanium 32 Ge 72.61	arsenic 33 As 74.922	selecnium 34 Se 78.96	bromine 35 Br 79.904	krypton 36 Kr 83.80	
rubidium 37 Rb 85.468	strontium 38 Sr 87.62	yttrium 39 Y 88.906	zirconium 40 Zr 91.224	niobium 41 Nb 92.906	molybdenum 42 Mo 95.94	technetium 43 Tc [88]	ruthenium 44 Ru 101.07	rhodium 45 Rh 102.91	palladium 46 Pd 106.42	silver 47 Ag 107.87	cadmium 48 Cd 112.41	indium 49 In 114.82	tin 50 Sn 118.71	antimony 51 Sb 121.76	tellurium 52 Te 127.60	iodine 53 I 126.90	xenon 54 Xe 131.29	
cesium 55 Cs 132.91	barium 56 Ba 137.33	* 57-70	lanthanum 57 La 138.91	hafnium 72 Hf 178.49	tantalum 73 Ta 180.95	wolfram 74 W 183.84	reuterium 75 Re 186.21	osmium 76 Os 190.23	iridium 77 Ir 192.22	platinum 78 Pt 195.08	gold 79 Au 196.97	mercury 80 Hg 200.59	thallium 81 Tl 204.38	lead 82 Pb 207.2	bismuth 83 Bi 208.98	polonium 84 Po [209]	astatine 85 At [210]	radon 86 Rn [222]
francium 87 Fr [223]	radium 88 Ra [226]	** 89-102	actinium 89 Ac [227]	rutherfordium 104 Rf [261]	dubnium 105 Db [262]	seaborgium 106 Sg [266]	bohrium 107 Bh [264]	hassium 108 Hs [269]	meitnerium 109 Mt [268]	unnilium 110 Uun [271]	ununium 111 Uuu [272]	ununium 112 Uub [277]	unquadium 114 Uuq [289]					

* Lanthanide series

** Actinide series

lanthanum 57 La 138.91	cerium 58 Ce 140.12	praseodymium 59 Pr 140.91	neodymium 60 Nd 144.24	promethium 61 Pm [145]	samarium 62 Sm 150.36	europium 63 Eu 151.96	gadolinium 64 Gd 157.25	terbium 65 Tb 158.93	dysprosium 66 Dy 162.50	holmium 67 Ho 164.93	erbium 68 Er 167.26	thulium 69 Tm 168.93	ytterbium 70 Yb 173.04
actinium 89 Ac [227]	thorium 90 Th 232.04	protactinium 91 Pa 231.04	uranium 92 U 238.03	neptunium 93 Np [237]	plutonium 94 Pu [244]	americium 95 Am [243]	curium 96 Cm [247]	berkelium 97 Bk [247]	californium 98 Cf [251]	einsteinium 99 Es [252]	fermium 100 Fm [257]	mendelevium 101 Md [258]	nobelium 102 No [259]

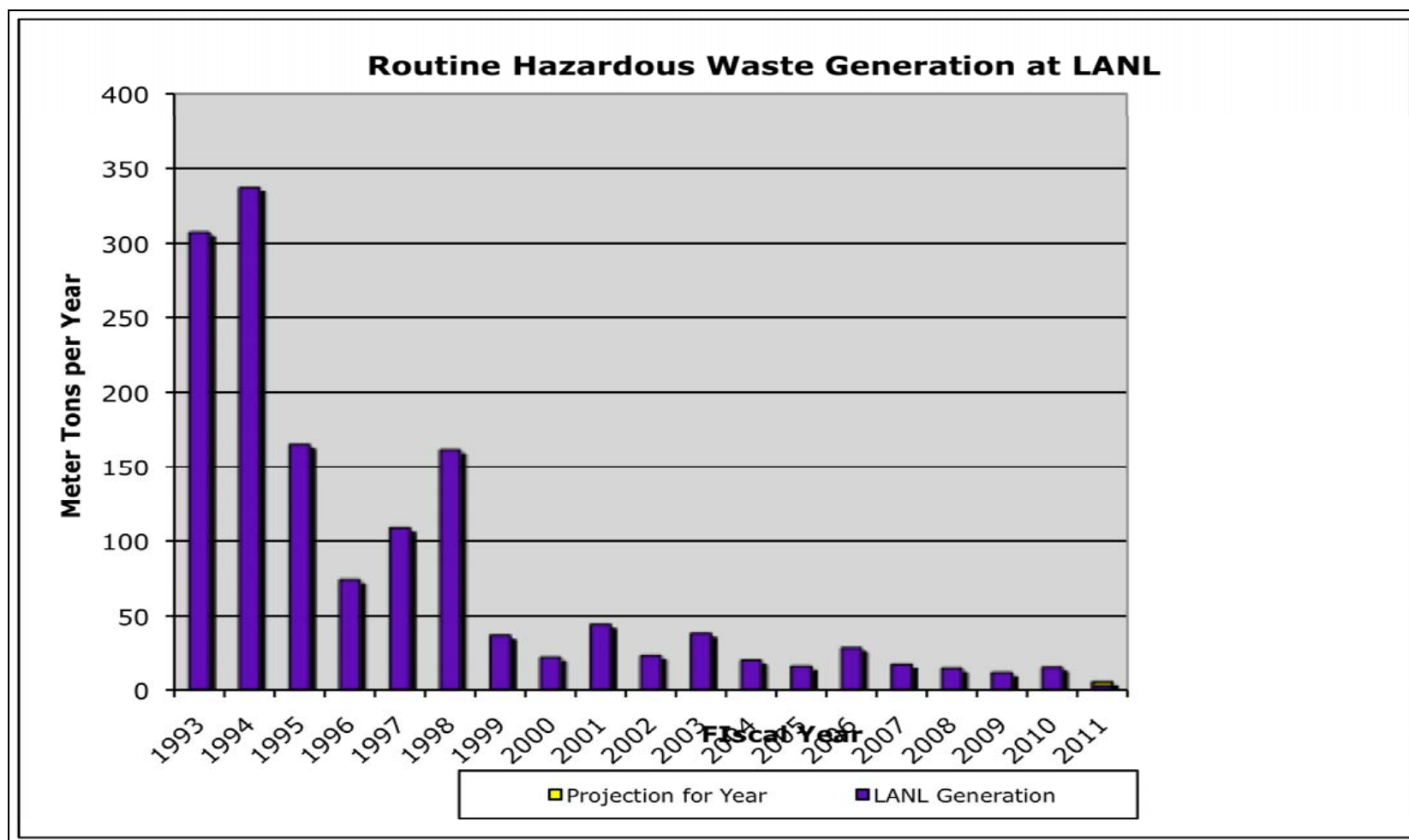
Laboratory operates under regulatory requirements



Environmental compliance and improvement strategy

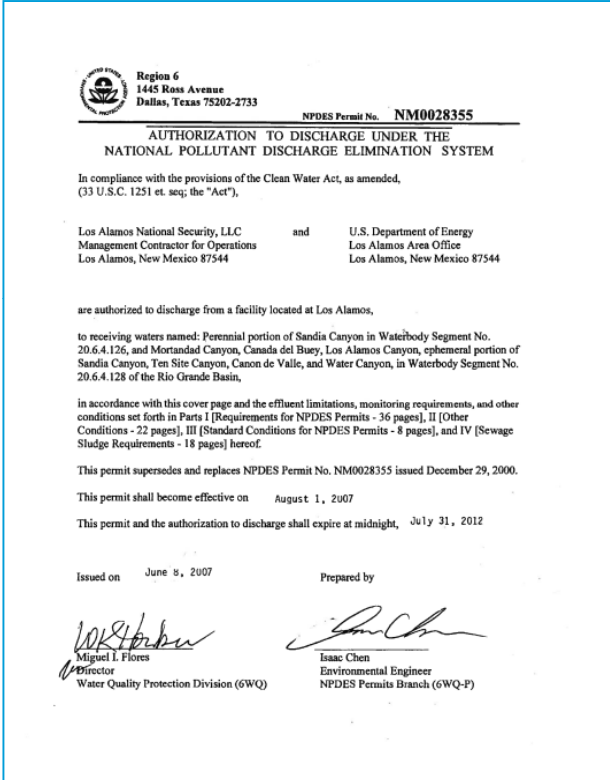
- **Starts with ISO 14001 certified Environmental Management System**
 - Lab organizations required to engage in continuous improvement
 - Hundreds of improvement actions per year since 2006
- **Prevention as the most effective form of compliance**
 - Buy less, use less, dispose of less, find alternatives
- **Defense in depth strategy for contaminant releases**
 - Monitor in operations, on-site and off-site for contaminants
 - Set trigger levels based on regulatory requirements and environmental risks
 - Determine actions based on triggers levels
 - Physical controls, cleanup actions
 - Share the data

Example – Hazardous waste generation



Example of strategy – NPDES Outfall Reduction

- LANL has industrial discharge of 154 million gallons per year from permitted NPDES outfalls
- LANL has reduced outfalls from 143 in 1997 to 17 in 2008 to 11 in 2011 – regular monitoring
- EMS goal is Zero Liquid Discharge
- New EPA NPDES permit for LANL has restrictive discharge limits for metals, PCBs, and Whole Effluent Toxicity (WET)
- New DOE O 4302B (effective February 2008) requires sites across the complex to decrease potable water use by at least 16 percent by 2015
- Relies heavily on Sanitary Effluent Reclamation Facility to recover and reuse water (\$22-24 M total)



Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733

NPDES Permit No. **NM0028355**

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

In compliance with the provisions of the Clean Water Act, as amended,
(33 U.S.C. 1251 et. seq; the "Act"),

Los Alamos National Security, LLC and U.S. Department of Energy
Management Contractor for Operations Los Alamos Area Office
Los Alamos, New Mexico 87544 Los Alamos, New Mexico 87544

are authorized to discharge from a facility located at Los Alamos,
to receiving waters named: Perennial portion of Sandia Canyon in Waterbody Segment No.
20.6.4.126, and Mortandad Canyon, Canada del Buey, Los Alamos Canyon, ephemeral portion of
Sandia Canyon, Ten Site Canyon, Canon de Valle, and Water Canyon, in Waterbody Segment No.
20.6.4.128 of the Rio Grande Basin,

in accordance with this cover page and the effluent limitations, monitoring requirements, and other
conditions set forth in Parts I [Requirements for NPDES Permits - 36 pages], II [Other
Conditions - 22 pages], III [Standard Conditions for NPDES Permits - 8 pages], and IV [Sewage
Sludge Requirements - 18 pages] hereof.

This permit supersedes and replaces NPDES Permit No. NM0028355 issued December 29, 2000.

This permit shall become effective on August 1, 2007

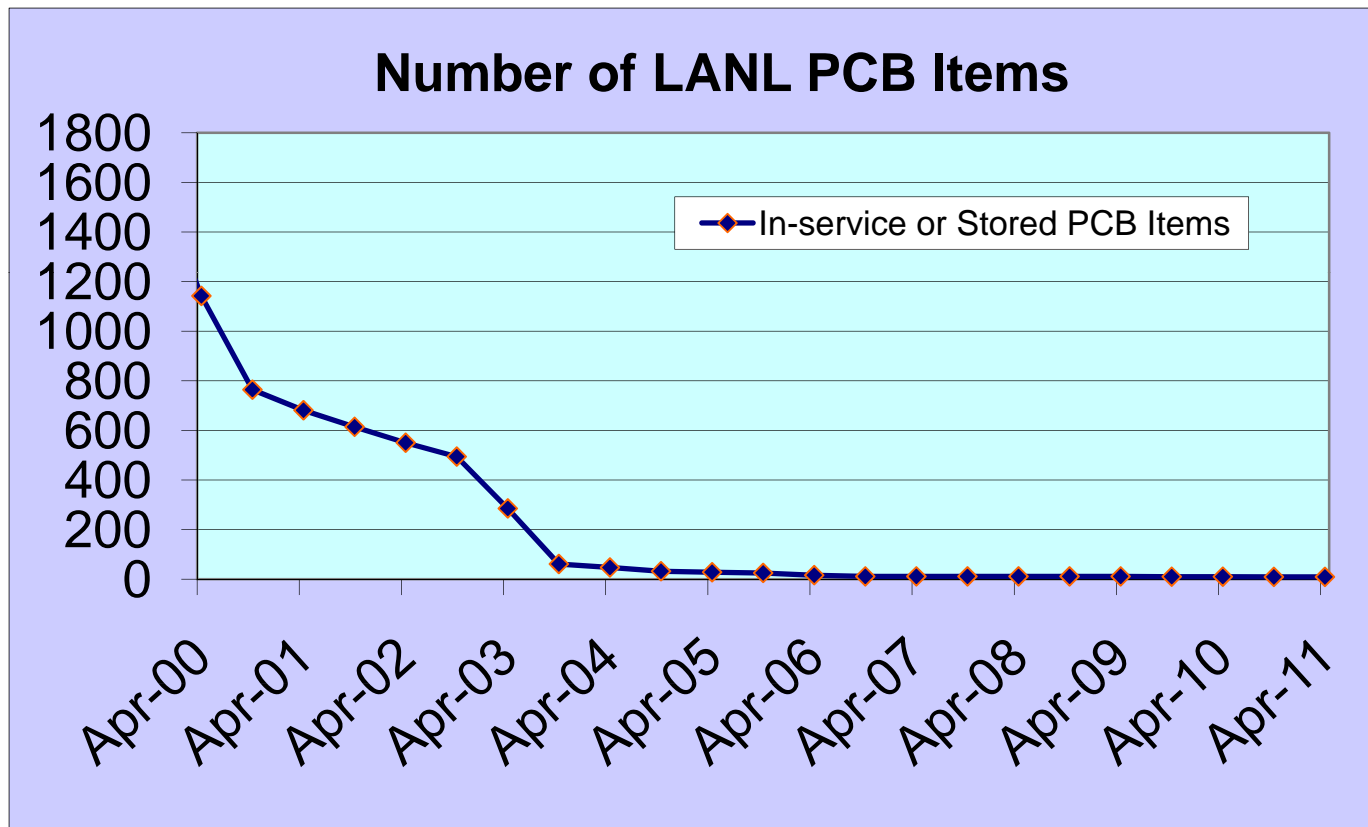
This permit and the authorization to discharge shall expire at midnight, July 31, 2012

Issued on June 8, 2007 Prepared by

Miguel I Flores Isaac Chen
Director Environmental Engineer
Water Quality Protection Division (6WQ) NPDES Permits Branch (6WQ-F)

PCB items at LANL 1999- 2011

Date	In-service or Stored PCB Items
October-99	1676
April-00	1142
October-00	764
April-01	681
October-01	614
April-02	550
October-02	494
April-03	285
October-03	61
April-04	47
October-04	32
April-05	28
October-05	25
April-06	16
October-06	11
April-07	11
October-07	11
April-08	11
October-08	11
April-09	11
October-09	10
April-10	10
October-10	9
April-11	9



Outfall reduction benefits

- 60-70% reduction in water use (Labwide)
- Decreased energy consumption
- Decreased operational expenses for facilities
- Decrease water costs by over \$335,000 per year
- Mitigates expected increased water rates from county
- Improved environmental compliance



Individual Permit commitments

- **We are committed to improving environmental protection and stewardship**
- **Mitigating transport of legacy contaminants by storm water**
- **Continue to take actions required by a very strict permit**
- **Meet permit milestones**
- **Public outreach**

Individual Permit History

Gene Turner, Department of Energy

505-667-5794

May 17, 2011

Storm Water General Industrial Activity Permits

- **-Federal Water Pollution Control Act of 1948**
- **-1977 amendments established basic structure for the NPDES program**
- **-1987-Water Quality Act directed EPA to develop a phased approach to regulate storm water discharges-consistent with goal to “restore and maintain the chemical, physical, and biological integrity of the Nation’s waters”**
- **-1990 Baseline General Permit and 1995 Multi-Sector General Permit (MSGP)**
- **-2000 MSGP-required benchmark and visual monitoring from “industrial activities”**
- **http://www.lanl.gov/environment/h2o/cw_msgpshtml**

2000 MSGP

- NNSA/LANS believed that the intent of the MSGP was maintained using a watershed monitoring approach-EPA-VI permit specialists concurred**
- NMED-SWQB believed the approximately 1200 solid waste management units at LANL should be covered under Sector K of the MSGP and monitored individually**
- EPA-VI enforcement representatives concurred with NMED position**

Federal Facility Compliance Agreement

-Finalized in 2005-Intended to be the “bridging document” between the MSGP and the Individual

Permit <http://www.nmenv.state.nm.us/hwb/lanlpermhtml#Federal>

-Prioritized monitoring based upon “erosion potential”

-Established comprehensive sampling and analysis requirements at 294 sites

-Replaced by Individual Permit issued 2/2009

Individual Permit Overview & Compliance Status

Presented by:

Terrill Lemke

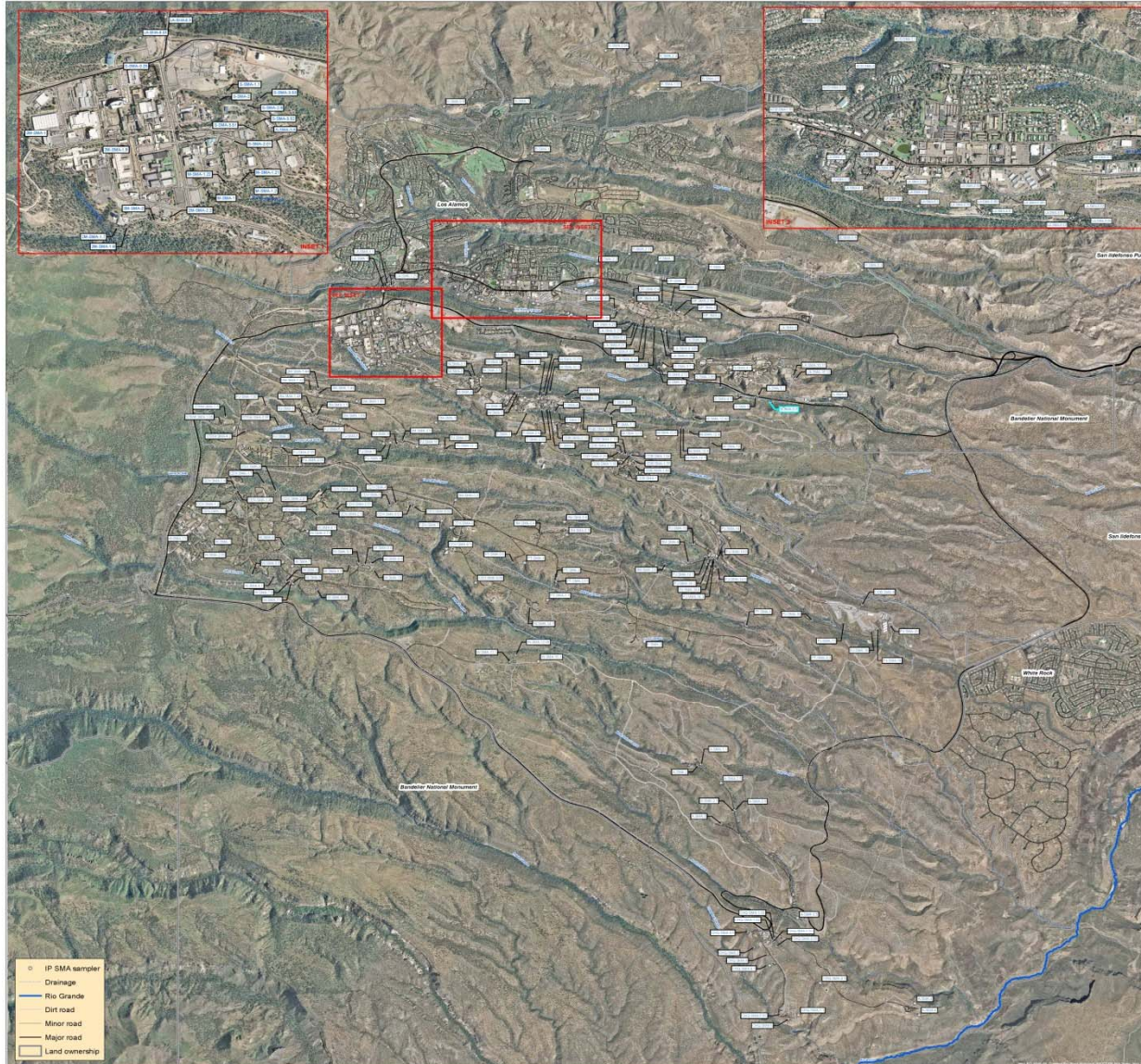
Storm Water Permitting/Compliance Team Leader

LANL Water Quality & RCRA Group

Individual Permit Overview

- **Modified Permit effective November 1, 2010**
- **Storm water discharges from specified Solid Waste Management Units (SWMUs) – "Sites"**
- **405 Sites (SWMUs)**
 - 63 High Priority Sites
 - 342 Moderate Priority Sites
- **250 Site Monitoring Areas (SMAs)**

Individual Permit Overview

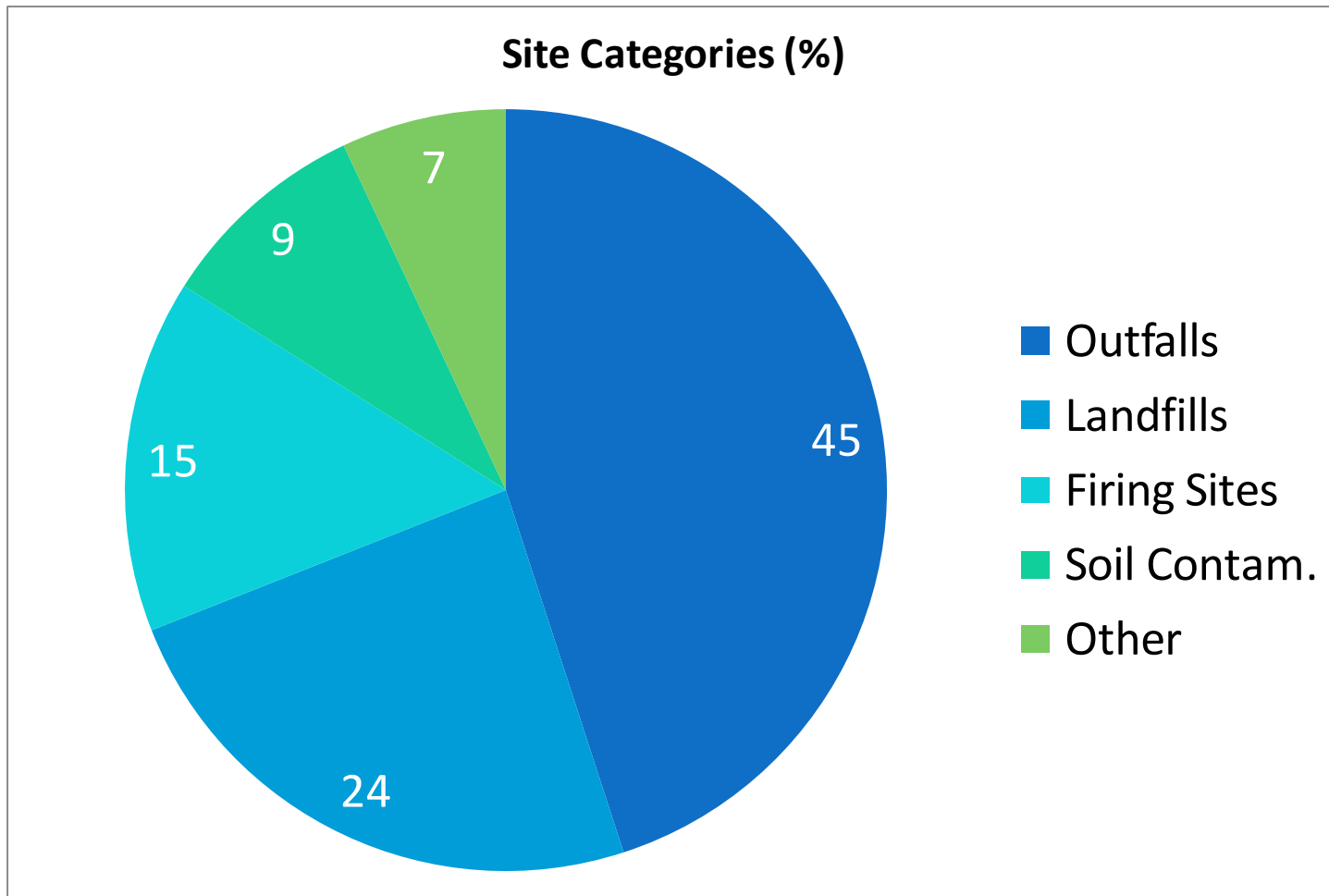


Individual Permit Overview

- **“Site” Categories:**

- Former Outfalls (septic systems, sumps, floor drains)
- Former Landfills, Disposal Sites, Material Storage Areas
- Firing Sites
- Potential Surface Soil Contamination
- Other Sites

Individual Permit Overview



Former Septic Outfall

6/12/07

16-006(c)



Former Drum Storage Area

6/28/07
33-011(e)



Cabra Canyon Mortar Impact Area

7/25/07
00-011(c)



Former Surface Disposal

6/28/07
33-010(F)



Individual Permit Overview

- **“Non-numeric, technology-based” Permit**
 - Technology-based = Install physical control measures based on best-available technology
 - Monitoring parameters (Target Action Levels) are indicators for the effectiveness of control measures
 - Precedent used in other NPDES storm water permits

Major Elements of Individual Permit

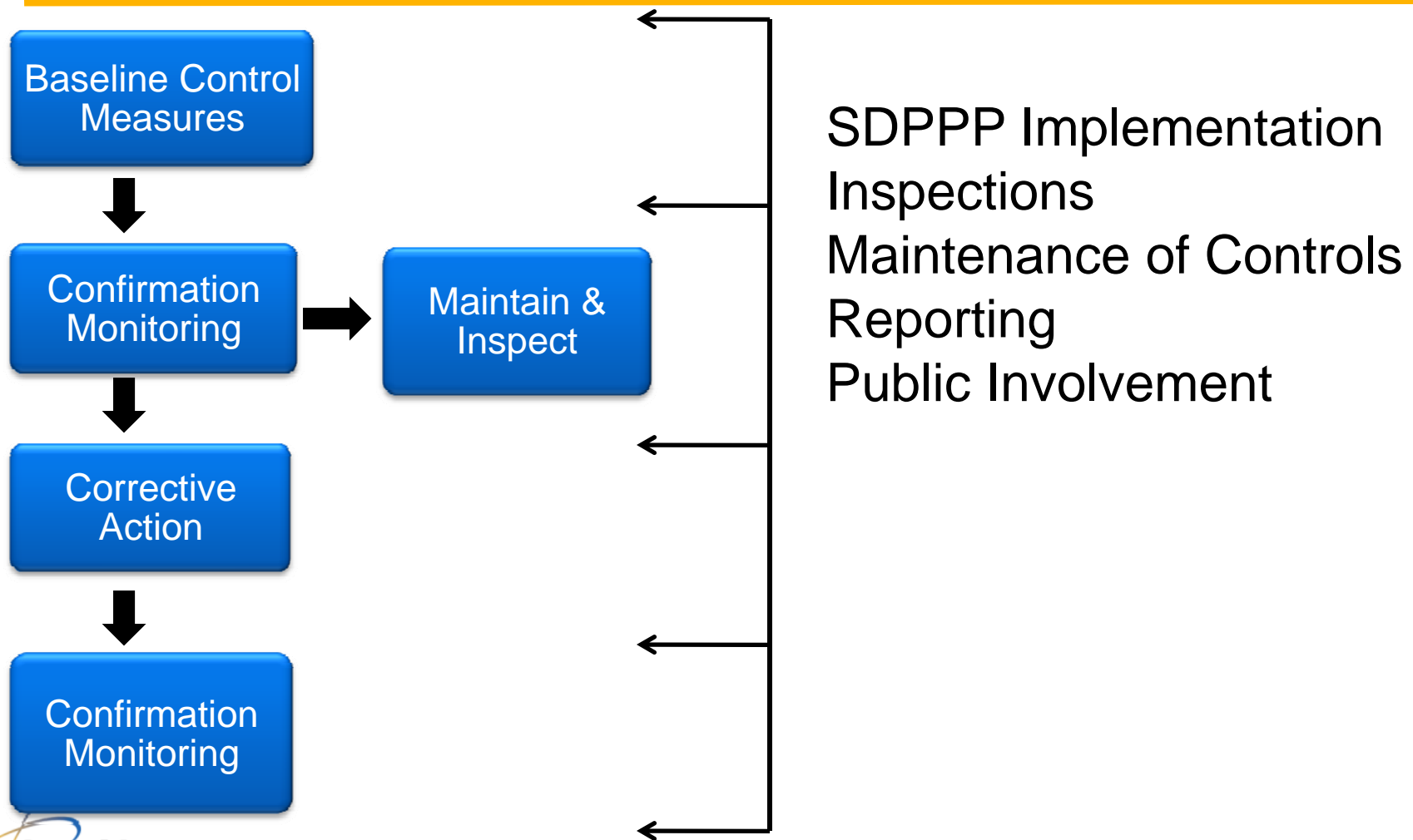
■ What's in the IP?

- Control Measures
- Confirmation Monitoring
- Corrective Action
- Site Discharge Pollution Prevention Plan (SDPPP)
- Reporting
- Inspections
- Record Keeping
- Public Involvement

Timeline & Major Milestones

- **Baseline Control Measures – 1st 6 months**
 - 1814 individual control measures
- **High Priority Sites**
 - 63 Sites
 - Complete corrective action within 3 years
- **Moderate Priority Sites**
 - Remaining Sites
 - Complete corrective action within 5 years

IP Implementation Process

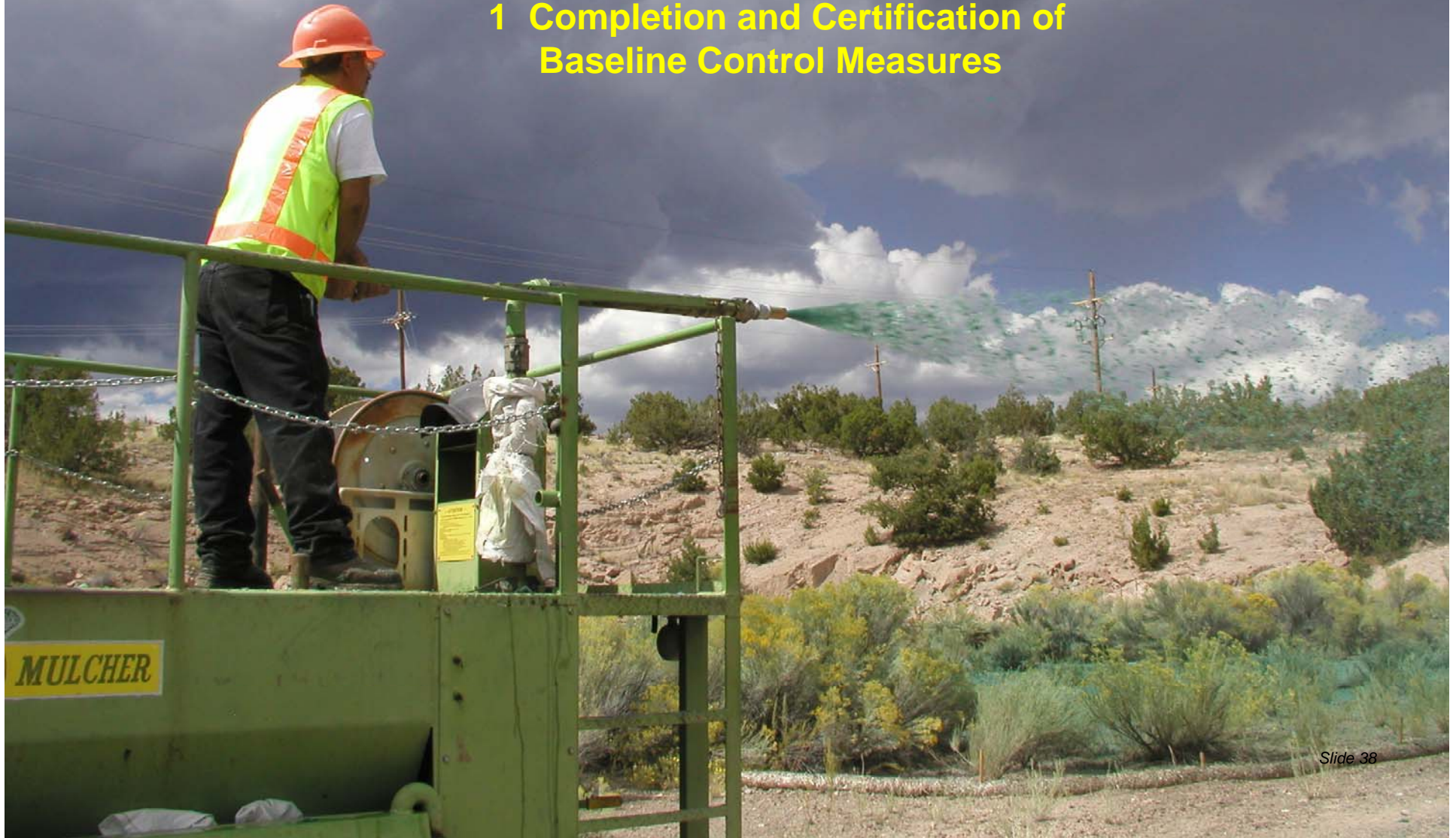


IP Deliverables

- **Annual Report – March 1, 2011 (March of each year)**
- **Compliance Status Report (DMRs) – March 1, 2011 (March of each year)**
- **Baseline Control Measure installation – May 1, 2011**
- **SDPPP – May 1, 2011 (annual updates)**
- **Public Website – May 1, 2011**

Compliance Activities Since Nov 1

1 Completion and Certification of Baseline Control Measures



Example Baseline Controls

Earth Berm

Riprap Spillway

Compost Mulch and Seed

Straw Wattle

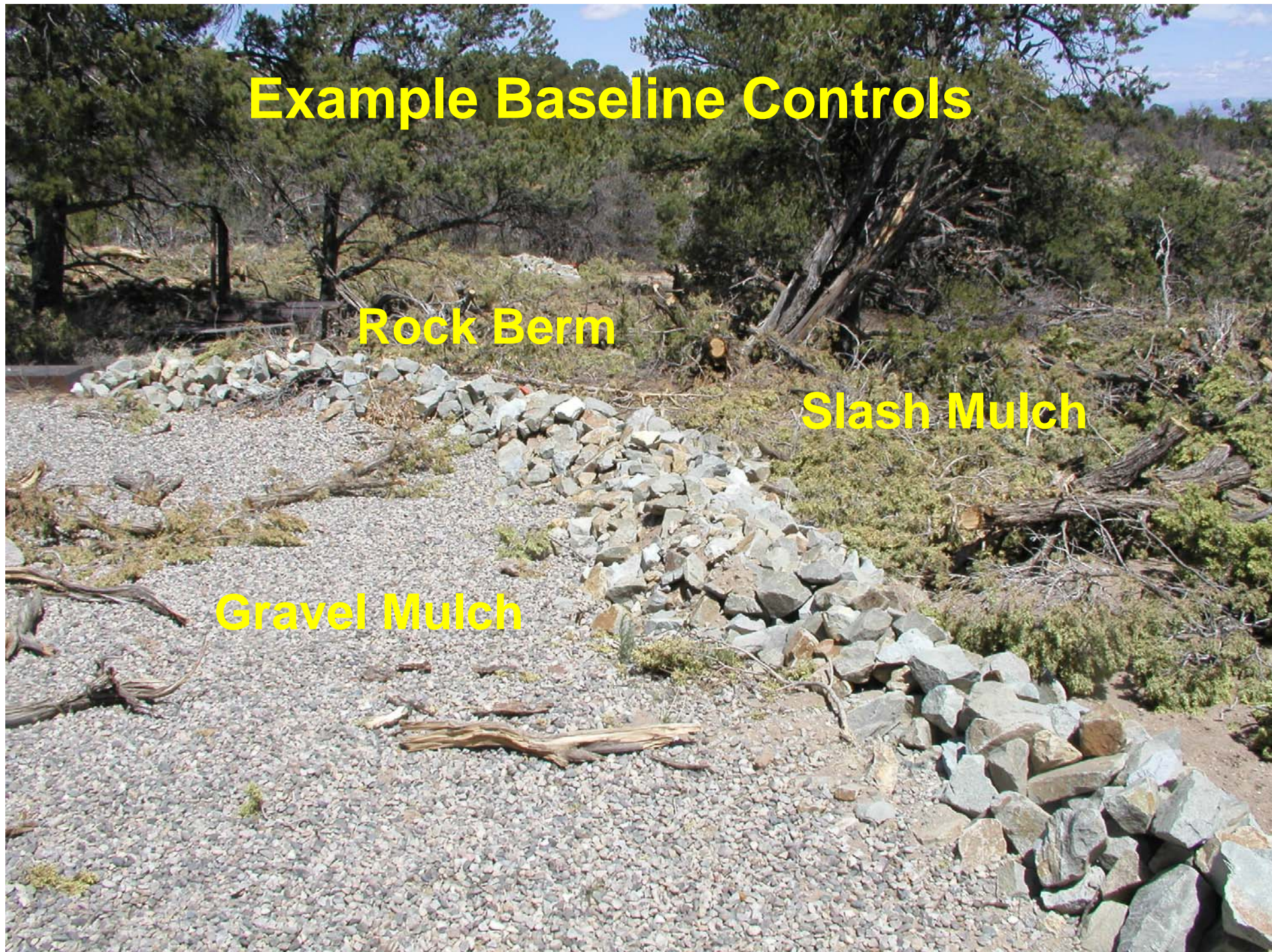


Example Baseline Controls

Rock Berm

Slash Mulch

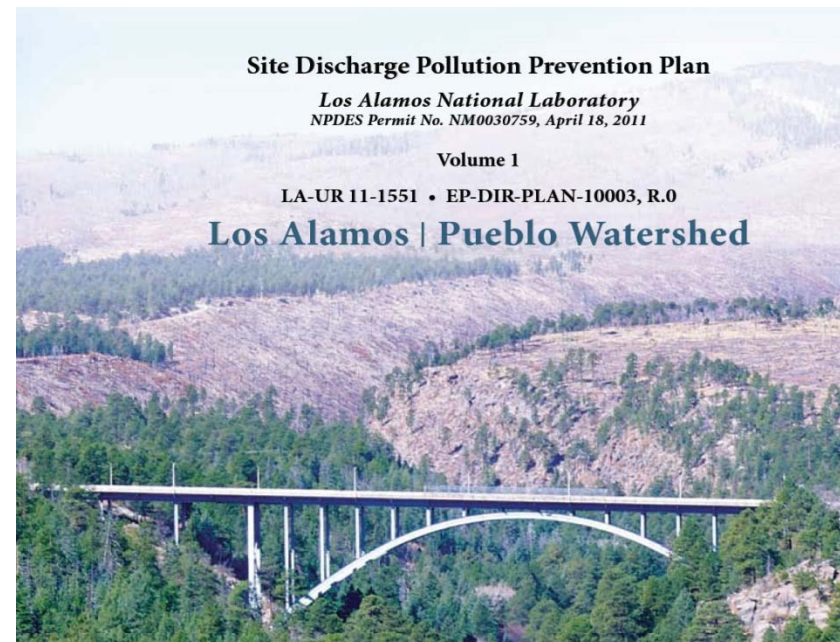
Gravel Mulch



Compliance Activities Since Nov 1

2 SDPPP Completion

3 Completion of Annual & Compliance Status Reports



Compliance Activities Since Nov 1

4 Public website active

The screenshot displays a web page for the NPDES Storm Water Individual Permit. On the left is a navigation menu with categories like Environment, Air, and Biological Resources. The main content area shows the permit title and a detailed description of the permit issued by the EPA to Los Alamos National Security, LLC (LANS) and the U.S. Department of Energy (DOE) on September 30, 2010. The permit authorizes storm water discharge from industrial activities at LANL. A tabbed interface at the top of the content area includes 'General Information', 'Permit', 'Site Discharge Pollution Prevention Plan', 'Maps', and 'Regulatory Documents'. The 'Permit' tab is active, showing the permit details.

Compliance Activities Since Nov 1

5 Rain event inspections

6 Preparation for start of field season

NPDES Storm Water Individual Permit for SWMUs Implementation

Steve Veenis – Project Manager
May 2011



LA-UR: 11-xxxx

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Pajarito Plateau Watershed



Individual Permit Implementation

- Site Discharge Pollution Prevention Plan – SDPPP
- Confirmation sampling
- Corrective Action required if Target Action Levels (TAL) exceeded
- Rain event inspections
- Public Involvement

SDPPP Organization

Organized by Watershed

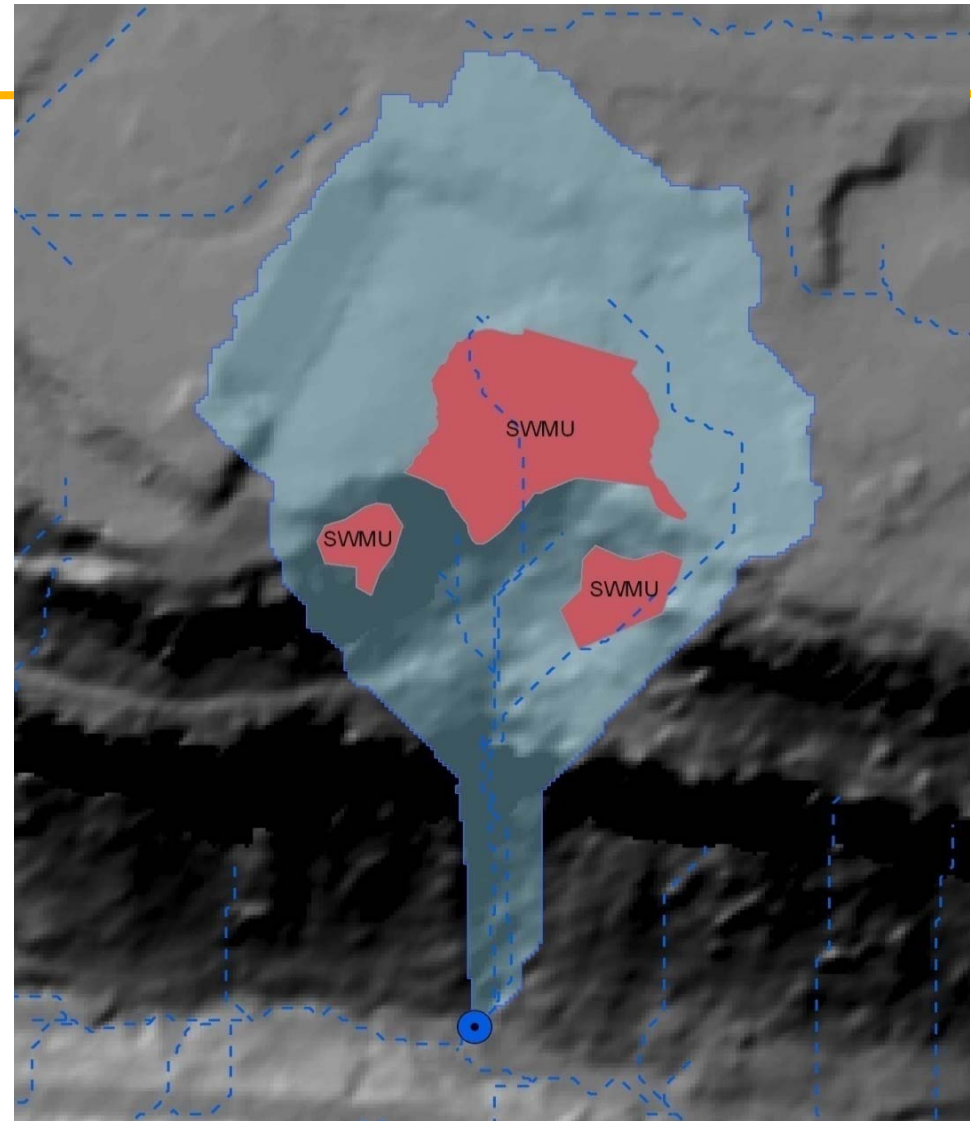
- Volume 1 - Los Alamos/Pueblo with 64 SMAs
- Volume 2 - Sandia/Mortandad with 64 SMAs
- Volume 3 – Pajarito with 51 SMAs
- Volume 4 – Water/Canon de Valle with 50 SMAs
- Volume 5 – Ancho/Chaquehui with 21 SMAs

SDPPP Organization Within Each Volume

- Sections 100 – 900: General Plan Requirements
- Section 1000: SMA-Specific Information
 - Area Description
 - Site Map
 - Potential Pollutant Sources
 - Control Measures
 - Monitoring
 - Corrective Action Status

Monitoring: Site Monitoring Areas (SMA)

- Monitoring Location
- - - Site Hydrology
- SMA Boundary
- SWMU



Conceptual Map Example

SMA Monitoring Location - Automated



SMA Monitoring Location – Single Stage



SMA Monitoring Location - Gage

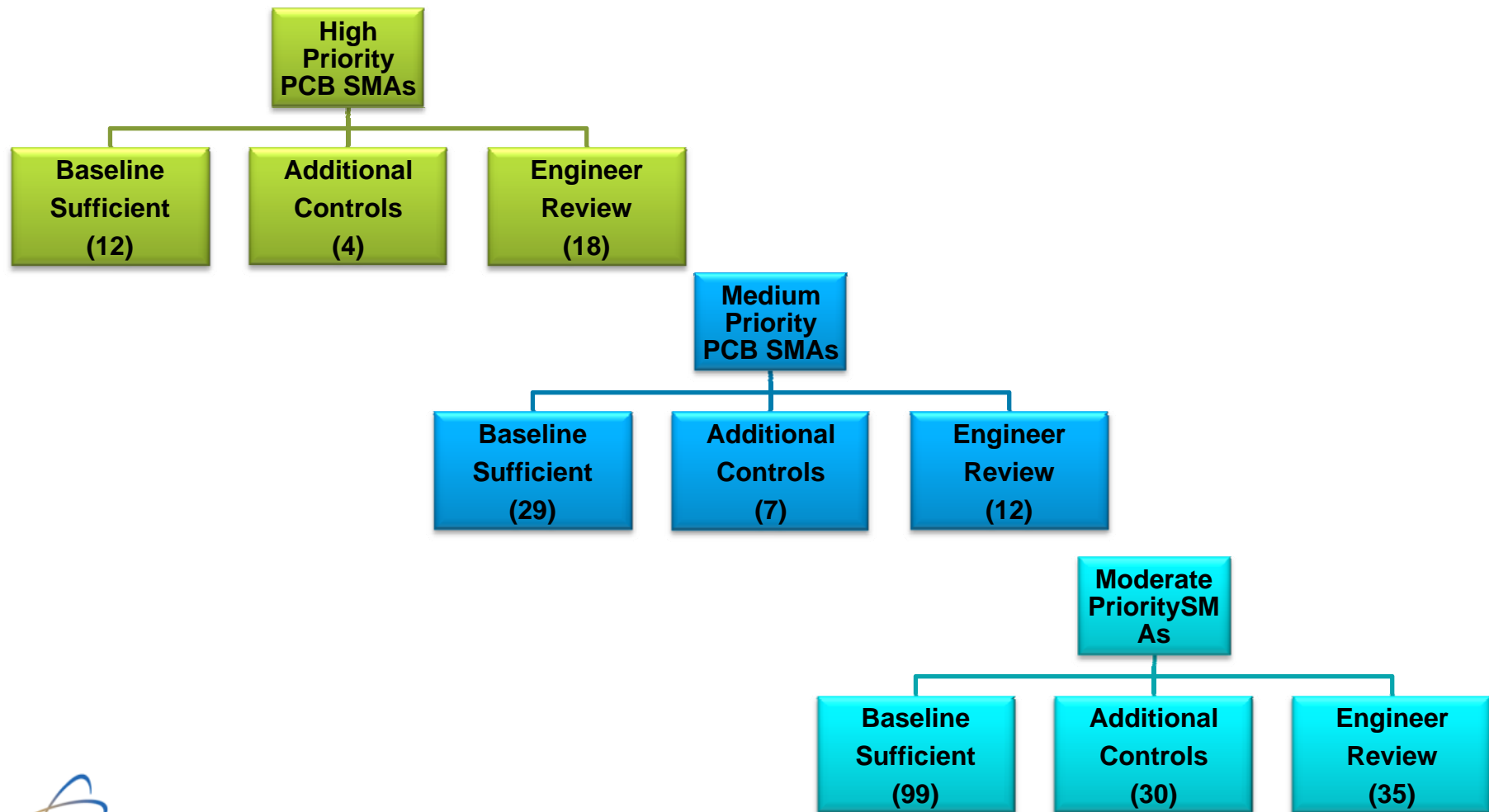


Corrective Action Management Planning

SMA Binning – 2 Step Process

1. High Priority SMAs – 3 year schedule
Moderate Priority SMAs – 5 year schedule
2. Technical Feasibility (Enhanced or Design)
 - Project Planning
 - Project Definition
 - Design or Specifications
 - Procure/Build
 - Inspection/Hand off

FY 11 Planning & Implementation



Flow Dissipation

- Rock Check Dams
- Surface Roughening
- Water Bars
- Weirs



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Run-on Diversion

- Asphalt Channel
- Vegetative Swale
- Curbing
- Water Bars
- Drop Inlets
- Earthen Berm
- French Drains



Run-on Diversion



Sediment Retention – Earthen Berms



Sediment Retention – Grade Control



Sediment Control - Detention Basins



Find the Individual Permit Web Site

From LANLs home page: <http://www.lanl.gov>

- Select “Environment” on the menu bar

The screenshot shows the Los Alamos National Laboratory website. At the top left is the logo for Los Alamos National Laboratory, EST. 1943. To the right of the logo are navigation links: Home, Phone, Library, Subscribe, Low-bandwidth, and social media icons for Twitter, Facebook, YouTube, and LinkedIn. Below these is a search bar with the word "Search" on the right. The main content area features a "FEATURED TOPICS" section with a dark background. On the left, there is a text box with the title "HOPE spectrometer probes space weather" and a sub-headline "The Helium Oxygen Proton Electron (HOPE) spectrometer will help scientists understand how the Earth's radiation belts form and change during space storms caused by solar activity." Below the text is a blue "LEARN MORE" button. To the right of the text is a large image showing two scientists in white lab coats and hairnets working on a piece of equipment. Below the featured topics is a horizontal menu bar with the following items: News Center, Science, Tech Transfer, Environment (circled in red), Global Security, Careers, Community, and Doing Business. Below the menu bar is the text "News and News Releases" and a mouse cursor pointing at the "Environment" link. At the bottom left is the Los Alamos National Laboratory logo with "News" above it. At the bottom center is the text "LA-UR-XXXXXX UNCLASSIFIED".

Which brings you to the Environment home page:

- Select “Water” from the left navigation menu



Navigating the Individual Permit Website: <http://www.lanl.gov/environment/h2o/ipshtml>



» or search scientific literature at the Research Library



Phone

ENVIRONMENT at LANL WATER MONITORING, COMPLIANCE, AND RISK REDUCTION



Environment

- Air
- Biological Resources
- Clean-up
- Compliance & Monitoring
- Cultural Resources
- Environmental Risk Reduction
- Fire
- Waste
- Water
 - Drinking Water
 - Groundwater
 - Monitoring
 - Permits
 - Regulations
 - Reports
 - Surface Water
 - Water Studies

Environment » Water » Storm Water

Recent EPRR Updates »

Questions »

NPDES Storm Water Individual Permit

Storm Water Individual Permit - NPDES Permit No. NM0030759

- General Information
- Permit
- Site Discharge Pollution Prevention Plan
- Maps
- Regulatory Documents

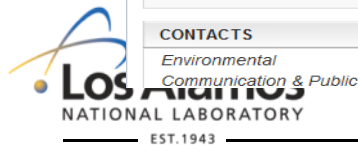
The U.S. Environmental Protection Agency (EPA), Region 6, issued the National Pollutant Discharge Elimination System (NPDES) Individual Permit - NPDES No. NM0030759 (Permit or IP) on September 30, 2010 to Los Alamos National Security, LLC (LANS) and the U.S. Department of Energy (DOE) (the Permittees). The Individual Permit authorizes the discharge of storm water associated with industrial activities at the Los Alamos National Laboratory (LANL) from specified Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs), collectively referred to as Sites. The Individual Permit incorporating the latest modifications, became effective on November 1, 2010.

The Permit uses non-numeric technology-based effluent limitations, coupled with a comprehensive monitoring program, to minimize pollutants in LANL's storm water discharges. LANL is required to implement site-specific control measures to address the non-numeric technology-based effluent limits. EPA believes compliance with these technology-based effluent limitations and with other terms and conditions of the Permit will control discharges as necessary to meet the applicable water quality standards. As used in the Individual Permit, "minimize" means to reduce and/or eliminate discharges of pollutants in storm water to the extent achievable using site-specific control measures (including best management practices) that reflect best industry practice considering their technological availability, economic achievability and practicability.

Register to Receive Updates

Email notifications will provide notice of completion of installation of baseline control measures, updates on Permit compliance, any requests for time extensions, spill information, and notification of any modification to the Permit or Site Discharge Pollution Prevention Plan (SDPPP), including: changing Site Monitoring Area (SMA) locations; removing, deleting, or adding sites; and completions of corrective action. Anyone registering will also receive email notifications about public meetings held to discuss implementation of and compliance with the IP.

- Register to receive updates.



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At the Water Home Page: <http://www.lanl.gov/environment/h2o/index.shtml>

- Select “Individual Permit” from the “Compliance” navigation menu (the far right column)

The screenshot shows the Los Alamos National Laboratory (LANL) Water Home Page. The page is titled "ENVIRONMENT at LANL WATER MONITORING, COMPLIANCE, AND RISK REDUCTION". The navigation menu on the left includes categories like Air, Biological Resources, Clean-up, Compliance & Monitoring, Cultural Resources, Environmental Risk Reduction, Fire, Waste, and Water. The main content area is divided into three columns: "PROGRAM INFORMATION", "WATER DOCUMENTS", and "COMPLIANCE". The "COMPLIANCE" column is further divided into "General Information" and "Permits". The "Permits" section includes links for "Individual Permit", "NPDES", and "RCRA". A red circle highlights the "Individual Permit" link, and a hand cursor is pointing to it. The right-hand sidebar also has a "COMPLIANCE" section with links for "Clean Water Act", "EPCRA", "NPDES", "Permits", "RCRA", and "Regulations & Requirements".

IP Home Page

- IP content in center pane
- Connect directly to the permit by clicking [Storm Water Individual Permit - NPDES Permit No NM0030759](#)
- See what new documents have been posted by clicking  Recent EPRR Updates »
- Submit a Question or feedback  Questions »

What to expect

What's new | Questions



- Search for documents recently posted to the Electronic Public Reading Room
- Opens the reading room to “Browse Categories”



- Submit a question, comment or suggestion

Access provided by: LANL Research Library | LANL Home Page |

electronic public reading room

Basic Search | Fielded Search |

Tools
My marked records:
Export marked records
Search History:
[-] Tools
Browse Categories
Browse Regulatory Type
New Records in EPRR
[-] About
Help
What's new
Contact us

Browse Categories

- Biological resources (4)
- Cultural resources (4)
- Demolition/Decontamination/Decommissioning (2)
- Environmental monitoring and surveillance (11)
- Groundwater (4)
- Remediation (101)
- Storm water (14)
- Waste management (16)
- Water (83)

Search EPRR

Phrase search (enclose in quotation marks): "material disposal"
Word search: material disposal
Author search: "katzman danny" OR "danny katzman" [More search tips](#)

Los Alamos National Laboratory
EST. 1943

Search
or search scientific literature at the Research Library

Los Alamos National Laboratory ENVIRONMENT at LANL MONITORING, COMPLIANCE, AND RISK REDUCTION

Environment
Air
Biological Resources
Clean-up
Compliance & Monitoring
Cultural Resources
Environmental Risk Reduction
Fire
Waste
Water

Comments, Concerns, or Suggestions?

Thank you for your interest in the Environmental Website. We appreciate your feedback about our website, services, staff, and capabilities.

If you have a comment about a specific page, please copy and paste the URL in the field below.

Your question, comment or suggestion:

URL (optional):

Name (optional):

Phone (optional):

Email (optional):

Anti-spam Code (enter "MYCODE" in this field):

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[Plans & Procedures](#)
[Public Reading Room](#)
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PUBLIC NOTICES
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[Public Reading Room Location](#)
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INDIVIDUAL PERMIT (NPDES NM0030759) - REQUIREMENTS OVERVIEW

