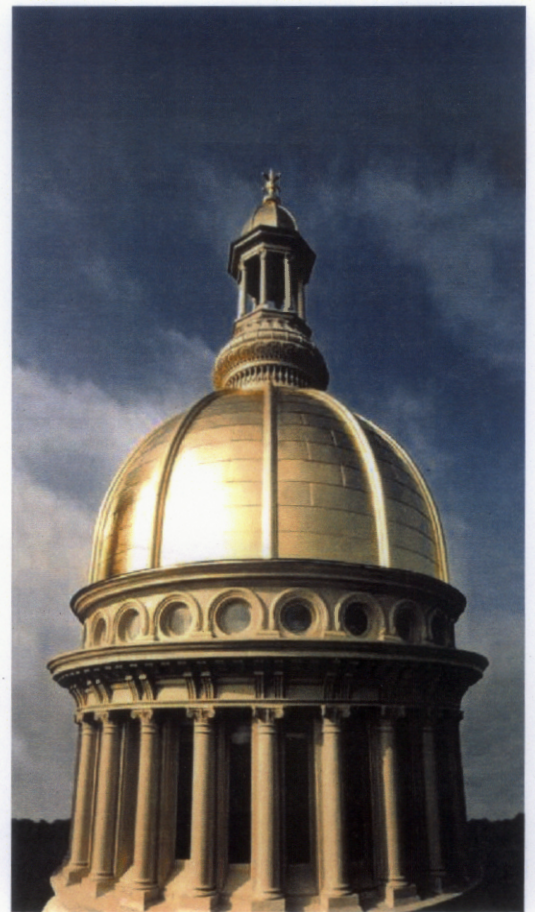


**NEW JERSEY
ENVIRONMENTAL PERFORMANCE
PARTNERSHIP AGREEMENT
Fiscal Years 2002-2004**



NJ Department of Environmental Protection

and



US Environmental Protection Agency – Region 2

National Environmental Performance Partnership System
(NEPPS)

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**NEW JERSEY ENVIRONMENTAL
PERFORMANCE PARTNERSHIP AGREEMENT (FY 2002- 2004)**

**NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION 2**

This Agreement describes our continued shared agenda for environmental progress in the State of New Jersey, our measures to evaluate this progress and agreed upon strategies to reach our mutual goals. This plan furthers the partnership for environmental protection in the State while also articulating our expectations for the state/federal relationship.

A critical element of this partnership is the utilization of creative joint efforts to resolve programmatic obstacles that must be addressed in order to achieve our goals and to fulfill the needs of each agency. By signing this Agreement, the New Jersey Department of Environmental Protection and the Environmental Protection Agency Region 2 agree to continue utilizing the philosophies and guiding principles embodied in the National Environmental Performance Partnership System (NEPPS) process. This federal/state system emphasizes results-based management through the development of environmental priorities, goals and measures of progress appropriate for each individual state. The environmental goals, indicators and agency commitments contained within this Agreement continue to be refined and updated. This evolving environmental management approach is informed by the development of each of our agencies' Strategic Planning documents, the results of our collective actions, and our stakeholders' input. This plan articulates Department-wide and Agency-wide directions and addresses both federal and state-funded strategies.

This Plan includes, but is not limited to, directions and strategies in the areas of Clean Air (air quality and global climate change), Clean and Plentiful Water (water quality and quantity), Land and Natural Resources (healthy ecosystems and abundant open space), Safe and Healthy Communities (site remediation, solid and hazardous waste, pollution and release prevention, pesticides, radiation, and mercury), Open and Effective Government, and compliance and enforcement. This Agreement will serve as the foundation of environmental protection in New Jersey and shall guide our joint environmental program performance through June 30, 2004.


New Jersey Department of
Environmental Protection



Robert C. Shinn, Jr.
Commissioner

11/9/01
Date

United States Environmental
Protection Agency, Region 2



William J. Muszynski
Acting Regional Administrator

11/9/01
Date

NJDEP NEPPS Steering Committee and Work Group Members

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Anthony Kahaly, Strategic Planning Team (through September 2001)
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LIST OF ABBREVIATIONS

ACO	Administrative Consent Order
ADR	Alternative Dispute Resolution
AIMS	Air Information Management System, NJDEP
AIRS	Aerometric Information Retrieval System
AMNET	Ambient Biological Network
ANJEC	Association of New Jersey Environmental Commissions
ANSP	Academy of Natural Sciences of Philadelphia
APTI	Air Pollution Training Institute
AQI	Air Quality Index
ARRT	American Registry of Radiologic Technologists
BART	Best Available Retrofit Technology
BER	Bureau of Environmental Radiation, NJDEP
BFM	Bureau of Floodplain Management, NJDEP
BFWM	Bureau of Freshwater Monitoring, NJDEP
BGIA	Bureau of Geographic Information and Analysis, NJDEP
BIF	Boilers and Industrial Furnaces
BIOS	Biological Database
BMP	Best Management Practices
BNE	Bureau of Nuclear Engineering, NJDEP
BNSR	Bureau of New Source Review, NJDEP
BOD/CBOD	Biological Oxygen Demand/Carbonaceous Biological Oxygen Demand
BPU	Board of Public Utilities
BRH	Bureau of Radiological Health, NJDEP
BRS	Biennial Reporting System
BSDW	Bureau of Safe Drinking Water, NJDEP
BUST	Bureau of Underground Storage Tanks, NJDEP
BWA	Bureau of Water Allocation, NJDEP
C&D	Construction and Demolition (Waste)
CAA	Clean Air Act
CAFRA	Coastal Area Facility Review Act
CAMNET	Realtime Air Pollution and Visibility Monitoring Network
CCMP	Comprehensive Conservation Management Plan
CE	Coastal Engineering, NJDE
C&E	Compliance & Enforcement
CEA	Classification Exception Area
CEHA	County Environmental Health Act
CEMS	Continuous Emissions Monitoring System
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act
CESQG	Conditionally Exempt Small Quantity Generator
CH₄	Methane
CHP	Combined Heat and Power
CFR	Code of Federal Regulations

CME	Compliance Monitoring Evaluation
CMP	Comprehensive Management Plan
CMS	Compliance Monitoring Strategy
CO	Commissioner's Office
CO	Carbon Monoxide
CO₂	Carbon Dioxide
CORP	Commission on Radiation Protection
CPPC	Office of Coastal Planning & Program Coordination, NJDEP
CRIP	Bureau of Chemical Release Information and Prevention, NJDEP
CPM	Core Performance Measure
CSL	Comprehensive Site List
CSO	Combined Sewer Overflow
CWA	Clean Water Act
CWEA	Clean Water Enforcement Act
CWSRF	Clean Water State Revolving Fund
CWS	Community Water System
CZM	Coastal Zone Management
CZARA	Coastal Zone Authorization and Reauthorization Act
DCA	New Jersey Department of Community Affairs
DEP	Department of Environmental Protection
DER	Declaration of Environmental Restriction
DELEP	Delaware Estuary Program
DFGW	Division of Fish, Game & Wildlife, NJDEP
DGW	Discharge to Ground Water
DIFF	Discharge Integrated Facility File (GIS data)
DLA	Delegated Local Agency
DMR	Discharge Monitoring Report
DMV	Division of Motor Vehicles
DOT	New Jersey Department of Transportation
DRBC	Delaware River Basin Commission
DSHW	Division of Solid and Hazardous Waste, NJDEP
DSRT	Division of Science, Research & Technology, NJDEP
DSW	Discharge to Surface Water
DWM	Division of Watershed Management, NJDEP
DWQ	Division of Water Quality, NJDEP
DWQI	Drinking Water Quality Institute
DWSRF	Drinking Water State Revolving Fund
EARA	Environmental Assessment Risk Analysis Element, NJDEP
ECOS	Environmental Council of the States
EDECA	Electric Discount and Energy Competition Act
EER	Emissions Exceedance Report
EGU	Electric Generating Unit
EIA	Energy Information Agency, USDOE
EMPACT	Environmental Monitoring for Public Access and Community Tracking
ENF	Compliance and Enforcement, NJDEP
ENSP	Endangered and Nongame Species Program, NJDEP

EOPs	Emergency Operating Plans
EPA/USEPA	U.S. Environmental Protection Agency
EP&S	Environmental Planning & Science
ER	Environmental Regulation
FACITS	Facility and Chemical Inventory Tracking System
FACA	Federal Advisory Committee Act
FC	Fecal Coliform
FCE	Full Compliance Evaluation
FDA	Food and Drug Administration
FEMA	Federal Emergency Management Agency
FFY	Federal Fiscal Year
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FY	Fiscal Year
GA	Green Acres Program, NJDEP
GHG	Greenhouse Gases
GIS	Geographic Information System
GPD	Gallons Per Day
GPS	Global Positioning System
GW	Ground Water
GWQS	Ground Water Quality Standards
Hg	Mercury
HAA	Haloacetic Acid
HAP	Hazardous Air Pollutant
HDV	Heavy Duty Vehicles
HEP	Harbor Estuary Program (NY/NJ)
HHW	Household Hazardous Waste
HPV	High Priority Violation
HSWA	Hazardous and Solid Waste Amendments (to RCRA)
HUC	Hydrologic Unit Code
HW	Hazardous Waste
IDEF	Interim Date Exchange Format
IEC	Immediate Environmental Concern
IET	Innovative Environmental Technology
I/M	Inspection and Maintenance
IOCs	Inorganic Compounds
IPM	Integrated Pest Management
ISO	Independent System Operators
ISRA	Industrial Site Recovery Act
ITRC	Interstate Technology and Regulatory Cooperation
KCSNJ	Known Contaminated Sites in New Jersey
LA	Load Allocation
lbs	Pounds
LDF	Land Disposal Facility
LEV	Low Emission Vehicle
LQG	Large Quantity Generator
LUENF	Land Use Enforcement, NJDEP

LUM	Land Use Management
LUR/LURP	Land Use Regulation/Land Use Regulation Program, NJDEP
MACT	Maximum Achievable Control Technology
M&B	Management & Budget
MARAMA	Mid-Atlantic Regional Air Management Association
MCL	Maximum Contaminant Level
METT	Mass Emission Transient Testing
MGD	Million Gallons per Day
MOA	Memorandum of Agreement
MOBIL6	Mobile Source Emission Factor Model (version 6)
MOU	Memorandum of Understanding
MSW	Municipal Solid Waste
MW	Megawatts
NAAQS	National Ambient Air Quality Standards
NARIP	National Air and Radiation Indicators Project
NATA	National Air Toxics Assessment
NEPPS	National Environmental Performance Partnership System
NESCAUM	Northeast States for Coordinated Air Use Management
NFA	No Further Action
NFA-E	No Further Action - Entire Site
NFIP	National Flood Insurance Program
NHP	Natural Heritage Program, NJDEP
N&HR	Natural & Historic Resources
NHSDA	National Highway System Designation Act
NIMS	National Information Management System
NJ	New Jersey
NJAC	New Jersey Administrative Code
NJCFS	New Jersey Comprehensive Financial System
NJCRP	New Jersey Cumulative Risk Project
NJDEP/DEP	New Jersey Department of Environmental Protection
NJDHSS	New Jersey Department of Health & Senior Services
NJEMS	New Jersey Environmental Management System (database)
NJFS	New Jersey Forest Service, NJDEP
NJGS	New Jersey Geological Survey, NJDEP
NJISA	New Jersey International Society of Arboriculture
NJMSC	New Jersey Marine Sciences Consortium
NJPDES	New Jersey Pollutant Discharge Elimination System
NJPIES	New Jersey Poison Information & Education System
NJSA	New Jersey Statutes Annotated
NJSTF	New Jersey Shade Tree Federation
NJWMC	New Jersey Wetlands Mitigation Council
NMF	National Marine Fisheries
NOAA	National Oceanic and Atmospheric Administration
NO_x	Nitrogen Oxides
NO₂	Nitrogen Dioxide
NPDES	National Pollutant Discharge Elimination System

NPO	Nonproduct Output
NPS	Nonpoint source
NRCS	Natural Resources Conservation Service
NSR	New Source Review
NSSP	National Shellfish Sanitation Program
NTE	Not to Exceed
NTNC	Nontransient, Noncommunity (Water System)
NWS	National Weather Service
NY	New York
O and D	Origin and Destination (Form)
OBD	Onboard Diagnostics
OEC	Office of Enforcement Coordination, NJDEP
OITMD	Office of Innovative Technology and Market Development, NJDEP
OIRM	Office of Information Resources Management, NJDEP
OIT	Office of Innovative Technology
OLEM	Office of Local Environmental Management
OM	Operation and Maintenance
OMET	Open Market Emissions Trading
ONE	Office of Neighborhood Empowerment
ONLM	Office of Natural Lands Management, NJDEP
ONRDA	Office of Natural Resource Damage Assessment, NJDEP
OPPTS	Office of Pollution Prevention & Toxic Substances (EPA)
OQA	Office of Quality Assurance, NJDEP
OSP	Office of State Planning
OSPC	Office of State Plan Coordination, NJDEP
OTC	Ozone Transport Commission
OTIS	Office of Telecommunications and Information Systems
PADEP	Pennsylvania Department of Environmental Protection
PBT	Persistent Bioaccumulative Toxin
P & F	Parks and Forestry (Division), NJDEP
P2	Pollution Prevention
P2PC	Pollution Prevention and Permit Coordination Program, NJDEP
PAMS	Photochemical Assessment Monitoring Stations
Pb	Lead
PCBs	Polychlorinated Biphenyls
PCE	Partial Compliance Evaluation
PCP	Pesticide Control Program, NJDEP
PCS	Permit Compliance System (Database)
PJM	Pennsylvania – New Jersey – Maryland (Power Grid)
PM2.5	Particulate Matter with Aerodynamic Diameter Less than 2.5 Micrometers
PM10	Particulate Matter with Aerodynamic Diameter Less than 10 Micrometers
PPA	Performance Partnership Agreement
PPB	Parts Per Billion
PPG	Performance Partnership Grant
PPM	Parts Per Million
POE	Point of Entry

POET	Point-of-Entry Treatment
POTW	Publicly Owned Treatment Works (Sewage Treatment Plant)
PSD	Prevention of Significant Deterioration
PWS	Public Water System
QA/QC	Quality Assurance/Quality Control
QAMP	Quality Assurance Management Plan
QEIC	Quantitative Environmental Indicators of Contamination
RACM	Reasonably Available Control Measure
RACT	Reasonably Available Control Technology
RADIUS	Remote AIMS Data Input User System
RAMRAT	Radioactive Materials and Radiation Assessment Team
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation & Recovery Information System
RF	Radio Frequency
RIMS	Regional Integrated Management System
RMS	Radiation Monitoring System
RMW	Regulated Medical Waste
RPO	Regional Planning Organization
RPP	Radiation Protection Programs
RPRR	Release & Pollution Prevention Report
RPS	Remedial Priority System
RVP	Reid Vapor Pressure
S-1070	NJSA 58:10B-12 and NJSA 13:1K-9
SADC	State Agriculture Development Committee
SBAP	Small Business Assistance Program, NJDEP
SCC	Soil Cleanup Criteria
SCD	Soil Conservation District
SCS	Soil Conservation Service
SDRD	State Development and Redevelopment (Plan)
SDWA	Safe Drinking Water Act
SDWIS	Safe Drinking Water Information System
SEP	Supplemental Environmental Project
SFY	State Fiscal Year (July 1- June 30)
SIP	State Implementation Plan
SIU	Significant Indirect User
SMAC	State Mapping Advisory Committee
SNAP	Significant Non-Compliance Action Plan
SNC	Significant Non-compliance
SO₂	Sulfur Dioxide
SOCs	Synthetic Organic Compounds
SOP	Standard Operating Procedures
SQAR	Sludge Quality Assurance Regulations
SQG	Small Quantity Generator
SR	Site Remediation
SRF	State Revolving Fund
SRP	Site Remediation Program, NJDEP

SSCC	State Soil Conservation Committee
SSO	Sanitary Sewer Overflow
STAPPA	State and Territorial Air Pollution Program Administrators
STORET	Storage and Retrieval System (water and sediment quality database)
SWAP	Source Water Assessment Program
SWF	Solid Waste Facility
SWFPPA	Solid Waste Facility Performance Partnership Agreement
SWMA	Solid Waste Management Act
SWQS	Surface Water Quality Standards
T&A	Timely and Appropriate
TARP	Technical Acceptance and Reciprocity Partnership
TCPA	Toxic Catastrophe Prevention Act
TDR	Transfer of Development Rights
THM	Trihalomethane
TMDL	Total Maximum Daily Load
TNC	Transient, Noncommunity Water System
TRI	Toxic Release Inventory (EPA)
TSDF	Treatment, Storage and Disposal Facility
TSP	Total Suspended Particulates
UIC	Underground Injection Control
USFS	United States Forest Service
USFWS	United States Fish & Wildlife Service
USGS	United States Geological Survey
USNRC	United States Nuclear Regulatory Commission
UST	Underground Storage Tank
UW	Universal Waste
VMT	Vehicle Miles Traveled
VOCs	Volatile Organic Compounds
WATSTORE	USGS Water Database
WC&E	Water Compliance and Enforcement, NJDEP
WHPA	Wellhead Protection Areas
WHPP	Well Head Protection Program, NJDEP
WLA	Wasteload Allocation
WMM	Water Monitoring Management, NJDEP
WQ	Water Quality
WQBELs	Water Quality-Based Effluent Limitations
WSE	Water Supply Element, NJDEP
ZEV	Zero Emission Vehicle
303d	Water Quality Impaired Waterbodies Listing Section (Clean Water Act)
305b	Statewide Water Quality Inventory Report Section of the Clean Water Act
604b	Water Quality Planning Section of the Clean Water Act

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FY02-04 NEPPS PERFORMANCE PARTNERSHIP AGREEMENT EXECUTIVE SUMMARY

The NEPPS Performance Partnership Agreement (PPA) is a comprehensive, long term, environmental planning document between NJDEP and EPA Region 2 which contains goals, milestones, environmental indicators and joint activity commitments. This PPA is for a 3-year time period (FY02-04) and it is the 4th PPA for New Jersey. The PPA also serves as the workplan for the Performance Partnership Grant, awarded to NJDEP by EPA.

In 1998, as part of a national effort to assess states' progress in implementing NEPPS, New Jersey was chosen to participate in a Management Assessment Review (MAR) purpose of which was to identify where the state and EPA had worked well together in implementing this results-based management system, and to determine what steps were necessary to resolve remaining barriers and challenges. Many suggestions from the MAR report were incorporated in the development of this PPA including increased emphasis on communication, the addition of new partnership principles, enhanced joint planning, and specific links of PPA activities to environmental milestones.

The PPA is organized into the following sections: Introduction, Scope of Agreement, Cross-Cutting Issues, and 6 overall Goal Areas - each containing goal/indicator and activity commitment tables.

Goal, Subgoal and Milestone/Objective Listing

Clean Air

Goal: Ensure a high quality of life for the residents of New Jersey by preserving, sustaining, protecting, and enhancing the air environment. Air quality across the state should be healthful for all its citizens and of sufficient purity not to degrade the quality of life or cause undue economic loss.

Air Quality

Subgoals:

1. Bring the entire state into attainment for all criteria air pollutants and maintain air quality in areas already meeting health standards.

Milestones/Objectives:

- Attain the 1 and 8-hour air quality standards for ozone statewide by 2007 (by 2005 in the south for 1-hour ozone)
- Attain carbon monoxide (CO) standards statewide by 2002
- Maintain current attainment status for inhalable particulate matter (PM10), and attain the new air quality standards for fine particulates (PM2.5) by 2007

- Maintain current attainment status for lead (Pb)
 - Maintain current attainment status for nitrogen dioxide (NO₂)
 - Attain sulfur dioxide (SO₂) standards statewide by 2002
 - Alert the public to unhealthy air quality conditions
2. Minimize exposure to air toxics.
- Milestones/Objectives:
- Continuous reduction in statewide exposures to air toxics as demonstrated by the triennial National Air Toxics Assessment (NATA)
 - By 2005, major industrial facilities will reduce air toxic emissions to meet national toxic emissions (MACT) standards
 - Reduce toxic emissions from motor vehicles
 - Identify and correct mercury problems related to air emissions
 - Identify hotspots of exposure to air toxics and reduce emissions which lead to those exposures
 - By 2005, through pollution prevention techniques, industrial facilities will reduce the quantity of toxic chemicals generated as production-related waste by 50% from 1993
3. Reduce levels of air deposition.
- Milestones/Objectives:
- Reduce regional air deposition by implementing the federal acid rain program
 - By 2010, total air deposition loading to land and water in NJ will be reduced compared with 1998 levels
4. Minimize the adverse effects of air pollution on the quality of life in New Jersey.
- Milestones/Objectives:
- Protect visibility in a) the Brigantine National Wildlife Refuge (Class 1 Area) and b) selected urban areas
 - Reduce nuisance complaints (primarily odors and soiling)
 - Reduce cost of compliance with air quality standards
5. Ensure that the State's energy is generated, distributed and used in an environmentally sound manner.
- Milestones/Objectives:
- Promote energy efficiency and renewable energy
 - Promote less-polluting energy generation; reduce emissions (NO_x, SO₂, CO₂, Hg) per MW-hr generated in NJ
 - Integrate environmental protection into implementation of the "Electric Discount and Energy Competition Act"
 - Promote less-polluting liquid fuel production in NJ
 - Conserve and encourage liquid fuel efficiency

Global Climate Change

Subgoal:

1. Reduce emissions of greenhouse gases (GHGs) in NJ
- Milestones/Objectives:

- Total amounts of NJ's GHG emissions will be reduced to 1990 levels by 2000. Levels in 2005 will be 3.5% below 1990 levels
- By 2005, through the promotion of redesign of products and training in the use of cleaner technologies, there will be a 25% increase in clean technologies for members of the NJ Energy Star program partnership, Silver & Gold Track companies, Greenhouse Gas Covenant companies, NJ Colleges & Universities, and K-12 schools and hospitals
- Increase/enhance public education and outreach efforts on sea level rise and other GHG issues
- By 2012, increase the Class I renewable energies to 4% of total energy sold in the state (Per Board of Public Utilities draft Renewable Portfolio Standards)

Clean and Plentiful Water

Goal: New Jersey's rivers, lakes and coastal waters will be fishable, swimmable and support healthy ecosystems. Surface and ground water will be clean sources of water. Every person in New Jersey will have safe drinking water. Adequate quantities of surface and ground water will be available for all needed uses.

Surface Water

Subgoals:

1. Meet Surface Water Quality Standards.

Milestone:

- Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007

2. Protect and enhance aquatic life designated uses.

Milestones/Objectives:

- By 2005, 50% of assessed non-tidal river miles will support healthy, sustainable, biological communities
- Maintain and enhance aquatic life designated uses in assessed tidal waters

3. Protect recreational designated uses in tidal and non-tidal waters.

Milestones/Objectives:

- By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming
- By 2000, the recreational lake beach waters will have been assessed and water quality improvement projects will have been prioritized (Note: assessment milestone has been achieved; this milestone will be updated by the NJ Lakes Task Force)

4. Protect fish and shellfish consumption designated uses.

Milestones/Objectives:

- Reduce toxic contamination in fish tissue and reduce the need for fish consumption advisories

- By 2005, 90% of NJ's classified waters will provide shellfish that are safe to harvest

Ground Water

Subgoal:

1. Ground water quality will meet all standards for designated uses, and ground water discharging to surface water will not adversely impact the surface water system.

Milestones/Objectives:

- Reduce or control nitrate levels in ground water
- Reduce or control pesticide levels in ground water
- Reduce number of potable wells with fecal coliform contamination
- Reduce or control VOC contamination of ground water
- Reduce or control selected metals contamination in ground water (metals including but not limited to mercury, cadmium, chromium, lead and arsenic)
- Determine presence of unidentified or tentatively identified synthetic organic compounds (SOCs) in ground water
- Identify and characterize radioactivity in ground water
- By 2005, the status of shallow ground water quality will be assessed

Drinking Water

Subgoals:

1. Every person in New Jersey served by public drinking water systems will drink water that meets the drinking water standards.

Milestones/Objectives:

- By 2005, 98% of the public water systems (and 98% of the population served) will provide water that meets the microbiological drinking water standards
- By 2005, 95% of the public water systems will provide water that meets the NJ chemical and radiological drinking water standards

2. All source water in New Jersey used for drinking water will be protected from pollution.

Milestones/Objectives:

- Surface Water – by 2003, all surface water intakes will have a completed Source Water Assessment
- Ground Water – by 2003, all public water system wells will have a completed Source Water Assessment

3. The consumption of drinking water shall not cause detectable waterborne infectious diseases.

Objective:

- All public water systems will deliver drinking water that does not result in detectable waterborne infectious disease

4. Every person in New Jersey should drink water with lead concentrations less than 15ppb.

Objective:

- Every person in NJ should drink water with lead concentrations less than 15 ppb
5. Every person in New Jersey should drink water with nitrate concentrations less than 10 ppb.

Milestone:

- By 2005, 98% of all public water systems should meet the nitrate MCL (violations)
6. Every person in New Jersey should drink water with VOC concentrations less than the MCLs.

Milestone:

- By 2005, 95% of CWS and NTNC water systems should meet the VOC MCLs (exceedances)
7. Every person in New Jersey should drink water that contains the minimum concentrations of disinfection byproducts without compromising microbiological safety.

Milestones/Objectives:

- (CWS only) – By 2005, reduce the annual average concentration of TTHM in all water systems using surface water to 80 ppb or less
 - Determine the concentrations of haloacetic acids in CWS distribution systems
8. Every person in New Jersey should drink water with radiological concentrations less than the MCLs.

Milestones/Objectives:

- By 2005, 95% of the samples from CWS will meet the radiological standards (gross alpha, radium 226/228)
 - Develop a plan to address the issue of radon and unregulated radionuclides in PWS
 - Reduce and control tritium, gross beta, and specific gamma levels in drinking water
9. Every person served by private wells should consume water that meets the drinking water MCLs.

Milestone:

- By 2005, evaluate the water quality of private wells in NJ

Water Supply

Subgoals:

1. Assess water availability.

Milestones/Objectives:

- Reduce or prevent overuse of water resources used for potable water purposes, industry, agriculture and power generation
- Protect and maintain recharge to aquifers
- By 2005, the Department and regional interests will cooperatively address all regional (interstate) water supply deficits projected through 2030 to ensure that such deficits are not realized

2. Determine current & projected water supply (use by type, unaccounted for water, etc.)
3. Avoid water supply deficits.

Land and Natural Resources

Goal: Maintain, enhance and restore functioning ecosystems and sustainable communities.

Subgoals:

1. *Wetlands:* Improve quality and function, and achieve a net increase in wetland acreage. Explore innovative techniques for creation, enhancement and maintenance of New Jersey wetlands.

Milestones/Objectives:

- Achieve a net increase of wetlands by 2005 and implement effective techniques for increased creation of wetlands
 - Improve quality and function of coastal/freshwater wetlands and implement effective techniques for increased enhancement of wetlands
 - No net loss of vernal pools in NJ
2. *Headwaters and Riparian Corridors:* Maintain and restore headwaters, riparian corridors and associated buffers for water quality and wildlife habitat, flood control, public safety, and streambank stability.

Milestones/Objectives:

- Maintain and restore vegetative bank cover and buffers adjacent to headwater and stream corridors by 2005
 - Maintain or increase instream flows for the maintenance of aquatic biodiversity and water quality
3. *Coastal Resources and Flood-Prone Areas:* Maintain and restore the functional integrity of the coastal system for water quality and wildlife habitat, storm protection, public safety, and shoreline stability.

Objectives:

- Maintain existing natural estuary and marine waterfront acreage and restore the functional integrity of the natural coastal system
 - Maintain, enhance and increase the shellfish habitat and harvest activities throughout the coastal estuaries
4. *Soil Erosion and Soil Contamination:* Minimize soil erosion and contamination caused by human activity on land.

Milestones/Objectives:

- To reduce both short term and long term erosion and sedimentation both on and offsite, by 2005, all municipalities will adopt and implement ordinances to reduce erosion through the reduction of peak runoff rates after development and set goal of 80% reduction of TSS for BMPs

- The NJDEP and NJDA/SSCC will work toward achieving the goal of applying conservation management systems on all farms by 2010, where such systems are needed
 - Reduce soil contamination to level below which there are no adverse effects on living resources
5. *Forest Resources*: Maintain and restore New Jersey's forest resources.
- Objectives:
- Achieve no net loss of forest lands in NJ
 - Maintain and restore healthy and diverse forest lands, including critical forest communities
 - Maintain forest fragmentation and work toward interconnected forest lands
 - Increase streamside forest buffers
 - Maintain and restore healthy community forest resources in urban and urbanizing areas
6. *Patterns in Land Development*: Accommodate growth while protecting natural resources in New Jersey through implementation of the State Development and Redevelopment Plan.
- Objectives:
- Annually increase the number of acres of undeveloped land developed consistent with the SDRP
 - Support the SDRP through consistent implementation through DEP rules, regulations and programs
 - Design compact development and revitalize urban areas by implementing centers
7. *Ecosystem Biotic Integrity*: Preserve, protect, and restore biodiversity with all landscape types in New Jersey.
- Milestones/Objectives:
- Maintain and enhance healthy and diverse populations of native plants, wildlife and natural communities, including their habitats
 - By 2008, the state's rare, threatened and endangered plant and wildlife species populations will be stable or have improved status
 - Maintain diversity and optimum distribution and density of NJ's aquatic and terrestrial species and their habitats
 - Increase the acreage of Submerged Aquatic Vegetation (SAV) in NJ's tidal waters
 - Reduce current and prevent future adverse impacts from exotic species
 - Reduce contaminant concentrations in biota to below adverse effects thresholds
 - Reduce adverse impacts to wildlife, including fish stocks, from parasites or disease
 - Maintain native stream dwelling fish populations for ecological recreational purposes
8. *Sustainable Fish & Wildlife*: Manage fish & wildlife populations to insure sustainable commercial & recreational use.
- Milestones/Objectives:
- Maintain diversity and optimum distribution and density of NJ's finfish and shellfish species and their habitats

- By 2010, achieve a minimum harvest of 500,000 bushels of oysters (a 5-fold increase, based on 2001 allocation of 108,000 bushels)
 - Achieve new options or techniques to allow for ecologically important offshore lumps and ridges to remain intact without compromising shoreline protection
 - Maintain optimum density and distribution of waterfowl and their habitat, to serve ecological and recreational needs
 - Maintain optimum density and distribution of ruffed grouse and woodcock and their habitat, to serve ecological and recreational needs
 - Maintain optimum density and distribution of wild turkeys and their habitat to serve ecological and recreational needs
 - Maintain and restore tidal and non-tidal ecosystems for migratory fish passage
 - Maintain and enhance population of recreational fish species
 - Maintain optimal numbers of coyotes for ecological and recreational purposes
 - Manage deer populations to maintain habitat integrity and recreational use
 - Maintain optimal numbers of black bear for ecological and recreational purposes
9. *Open Space*: Preserve open space for current and future protection of natural resources, biological diversity, and recreation.
- Milestone:
- Federal, state and local programs will strive to preserve and protect, through fee simple acquisition or other means, an additional 300,000 acres of open space by the year 2002 and a total of one million acres of open space by 2010
10. *Environmentally Damaged Land*: Return environmentally damaged land to productive uses.
- Objective:
- Annually increase the number of acres of environmentally damaged lands available for beneficial use, including development or recreation

Safe and Healthy Communities

Goal: New Jersey communities will be free from unacceptable human health and ecological risks through the prevention of pollution and releases of harmful substances/agents to environmental media and through the safe management of harmful substances/agents and harmful incidents/occurrences, including those involving floods, fires and storms.

Site Remediation

Subgoals:

1. Eliminate or reduce the risk to human health and environmental receptors from contaminated ground water.
- Milestones/Objectives:
- Cleanup, mitigate or control impacts to ground water at/from contaminated sites for 8% of the active universe annually
 - Map 100% of all CEAs on GIS within three months of CEA being established
2. Eliminate or reduce risk to human health from contaminated potable water sources.

Objective:

- Ensure alternate potable water sources are provided when known contaminated sites have caused ground water to exceed Safe Drinking Water Standards
3. Eliminate or reduce the risk to human health and environmental receptors from contaminated soil.

Objective:

- Cleanup, mitigate or control impacts to soil at/from contaminated sites for 20% of the active universe annually
4. Eliminate or reduce the risk to human health and environmental receptors from non-point discharges to surface water.

Objective:

- Remediate non-point discharges to surface water from known contaminated sites
5. Eliminate or reduce the risk to human health and environmental receptors from uncontrolled air releases from contaminated sites.

Objective:

- Cleanup, mitigate, or control contaminated air emanating at/from SRP sites
6. Eliminate or reduce the risk to human health and environmental receptors from source areas of contaminated media and hazardous substances that remain ongoing discharges to the environment.

Objective:

- Manage cases per the Case Management Strategy to address contamination at inactive/non-compliant sites

Solid/Hazardous Waste

Subgoals:

1. Achieve and maintain the safe management of wastes in an environmentally sound manner.

Milestones/Objectives:

- By 2005, 100% of existing hazardous waste facilities will have approved controls in place to prevent dangerous releases to soil and water
 - By 9/2003, all hazardous waste incinerators will be in compliance with applicable maximum achievable control technology (MACT) standards for air emissions or more stringent standards if warranted by risk assessment
 - By 2005, 100% of all solid waste facilities and Class B, C & D recycling centers will have approved air, ground water and wastewater controls in place, if necessary, to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance
 - By 2005, all hazardous waste accumulation tanks will have controls in place to prevent dangerous releases to soil and water
 - Clean up tires abandoned in piles
2. Minimize the generation of solid and hazardous wastes.

Milestones/Objectives:

- By 2005, achieve 50% reduction of PBT chemicals as compared to base year 1991
- Maintain and improve solid waste minimization

3. Minimize the land disposal of waste.

Milestones/Objectives:

- By 2005, hazardous waste generation rates will be reduced by 10% compared to base year 1991
- Achieve recycling rates of 65% of the total solid waste stream and 50% of the municipal waste stream and maintain thereafter

4. Achieve the proper closure of terminated facilities.

Milestones:

- Increase food waste recycling and composting rates
- By 2005, 50% of solid waste landfills that ceased accepting waste after 1981 will be properly closed
- By 2003, achieve approved closure plans for all operating hazardous waste facilities
- By 2005, achieve approved closure plans for 65% of all operating solid waste landfills

Pesticides

Subgoals:

1. Prevent potential risk to public health and the environment associated with the use of pesticides.

Milestone:

- By 2005, all licensed pesticide applicators will have sufficient knowledge to implement integrated pest management (IPM) programs

2. Manage potential risk to public health and the environment associated with the use of pesticides.

Milestones/Objectives:

- By 2010, assess the status of pesticide residues on NJ-grown produce
- Reduce the potential for adverse impacts on farmworkers from pesticide exposure
- By 2005, assess the status of pesticide residues in shallow ground water in areas of high agricultural use and in surface water in selected areas of high use
- Reduce potential exposure to the public resulting from activities associated with mosquito control and related nuisance and disease vector control

Pollution and Release Prevention

Subgoals:

1. Evolve the current system of pollution control into one of pollution prevention.

Milestones/Objectives:

- Reduce releases to the environment and human health risk by utilizing pollution prevention strategies throughout the Department
- By 2005, pollution prevention will be incorporated into rules promulgated and/or readopted by the Department
- Enhance pollution prevention/multi-media considerations utilizing One Stop

- Enhance pollution prevention/multi-media considerations utilizing Silver and Gold Track
 - Enhance pollution prevention/multi-media considerations utilizing Small Business Assistance Program
2. Minimize the use of hazardous substances and generation of nonproduct output (NPO) by New Jersey facilities.

Milestones/Objectives:

- By 2005, through pollution prevention techniques, facilities covered under the Pollution Prevention Rules will reduce the quantity of toxic chemicals generated as nonproduct output (production-related waste) by 50% from 1993 levels
 - By 2005, facilities covered under the Pollution Prevention Rules will have an administratively complete Pollution Prevention Plan
3. Ensure that procedures are in place at covered facilities to prevent accidental releases & discharges of regulated hazardous substances.

Milestone:

- By 2005, the number of accidental releases and discharges of regulated hazardous substances will be reduced by 65% as compared to the base year of 1993
4. Collect, process & disseminate state & federal chemical inventory & environmental release data.

Milestone:

- By 2005, the processing time from data collection to data availability will be reduced to six (6) months

Radiation Protection

Subgoals:

1. Reduce global and transboundary radiation risk.

Milestones/Objectives:

- Prevent unnecessary exposure to patients, radiation workers, and the public from nuclear medicine procedures
- Reduce the number of incidents involving radioactive devices
- By 2005, 25% reduction in unnecessary exposure to workers from non-ionizing Radio Frequency (RF) radiation
- By 2002, all locations where Type 1&2 NJ radioactive materials licenses are held will be mapped on GIS
- By 2005, reduce patient radiation dose from mammography screening procedures by 10%
- By 2005, improve mammography image quality by 15%
- By 2005, reduce patients' entrance skin exposure from diagnostic x-ray procedures by 10%
- By 2007, improve image quality by 15% for medical diagnostic x-ray procedures
- Maintain average license score of NJ program graduates above the national average score
- Reduce or control the airborne radiological emissions from nuclear power plants to below 10 milliRem/year

- Reduce or control the number of unmonitored pathways for airborne radiological emissions to under 10% of annual reportable discharge
 - Maintain and enhance aquatic life designated uses in assessed tidal waters
 - Analyze fish and shellfish tissue for radioactivity
 - Identify and characterize radioactivity in ground water
2. Reduce radon-induced lung cancers in New Jersey by having all buildings tested for radon and, where appropriate mitigate.

Milestones/Objectives:

- By 2005, 25% of the homes in NJ will have tested for radon
- By 2005, mitigate 35% of homes that have been tested and where a radon concentration of 4 pCi/L or more was found
- By 2005, all NJ schools in Tier 1 will have tested for radon
- By 2005, all public schools in Tier 1 with radon concentrations greater than or equal to 4 pCi/L will be mitigated for radon

Mercury

Subgoals:

1. Reduce the levels of mercury in environmental media.

Objectives:

- Identify and prevent increases or reduce emissions of mercury to air from point sources
 - Reduce mercury contamination of aquifers
 - Assess point and nonpoint source loadings of mercury to surface waters and sediments
 - Assess soil mercury levels
2. Reduce the levels of mercury in biological media, including the human body burden.

Objectives:

- Reduce human exposure to mercury
- Reduce mercury levels in freshwater and marine fish found in NJ surface waters

Open and Effective Government

Goal: The Department will fulfill its mission & achieve its vision and goals through the involvement of citizens & stakeholders as critical partners & through its ongoing commitment to quality principles & methods as a means to continuous improvement of its operations.

Subgoals:

1. Leadership: A key role of the Department's management is not only to set clear directions for the organization but also to foster a culture that seeks to maximize DEP's performance by establishing and/or strengthening partnerships.
2. Strategic Planning: To be effective, DEP must translate the strategic direction into a clear action plan for deploying & aligning its human, capital & fiscal resources.

3. Constituent Focus: To be an effective organization, it is important for DEP to understand the needs of its constituents & recognize that DEP's front-line employees are key to successful constituent partnerships.
4. Information & Analysis: The information/data that DEP collects must be carefully selected, managed & used in an integrated fashion to help DEP achieve its goals, support its operations & report its results.
5. Human Resources: Through education & training, DEP will provide its diverse workforce with the knowledge & skills that it needs to foster professional growth & thus help achieve success.
6. Process Management: It is important for DEP to continuously evaluate its processes & continuously improve how its day-to-day work is carried out.
7. Organizational Results: To properly manage DEP, it is necessary to measure the environmental & operational results that are being achieved ("What gets measured gets done.").

I. INTRODUCTION

This Performance Partnership Agreement (PPA or Agreement) sets forth environmental directions for the State of New Jersey. This long-range direction setting process is based on the development of environmental goals and milestones, the identification of specific measures of progress towards these goals, and an articulation of strategies and actions designed to achieve them. The parties to this Agreement are the New Jersey Department of Environmental Protection (NJDEP) and the United States Environmental Protection Agency (EPA), Region 2. This partnership Agreement provides the partners' mutual understandings of the desirable environmental outcomes, the performance expectations for the participating programs, the state/federal relationships, and the joint review arrangements.

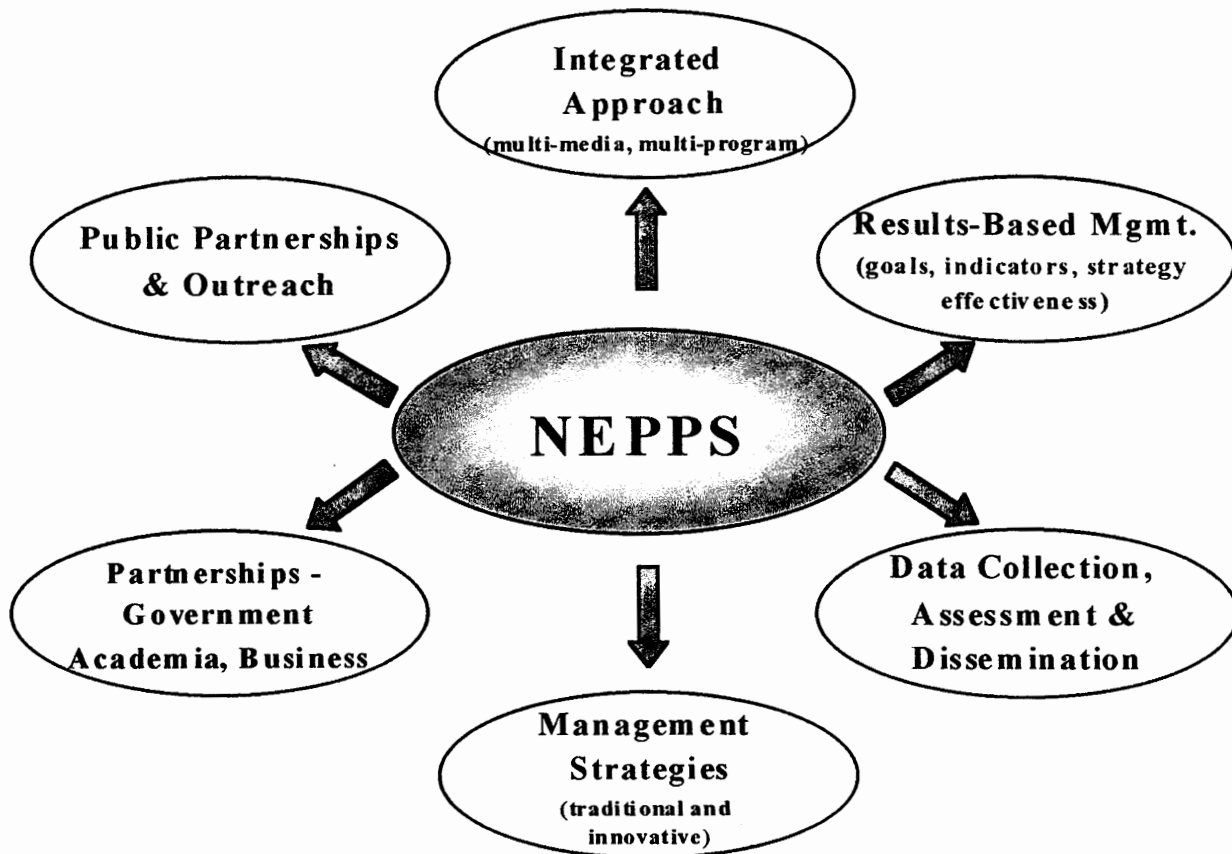
This Agreement serves as a major component of the results-based management efforts of both agencies. The PPA has been prepared within the context of NJDEP's Strategic Plan (NJDEP, 1998), EPA's national Strategic Plan (EPA, 2000), EPA Region 2's Strategic Plan (EPA, 2001) and New Jersey's State Development & Redevelopment Plan (NJSPC, 2001). In addition, the process under which PPAs have been developed in New Jersey was noted as one of the significant applications of New Jersey's Sustainable State philosophy (New Jersey Future, 1995). By embodying the attributes of flexibility in environmental regulation, civic engagement, and a reliance on science, monitoring and indicators, the development and implementation of this Agreement is expected to significantly contribute to operationalizing the Sustainable State Initiative in New Jersey. Reflecting the close linkage between this environmental Agreement and New Jersey's sustainability initiative, NJDEP coordinated the preparation of a recent statewide interagency update of the goals and progress measures of the Sustainable State Report – *Living with the Future in Mind, 2000*.

This Agreement declares the intent of the parties, NJDEP and EPA, to work together during State Fiscal Year 2002 (through June 30, 2002) and the succeeding State Fiscal Years 2003 and 2004 (July 1, 2002 to June 30, 2004) in pursuit of a partnership in environmental protection for the State of New Jersey. The partnership reflects the principles embodied in the May 17, 1995 document signed by former EPA Administrator Carol Browner, and the Environmental Council of States (ECOS) leadership (*Joint Commitment to Reform Oversight and Create A National Environmental Performance Partnership System*, ECOS/USEPA, 1995). This document established the National Environmental Performance Partnership System (NEPPS) process, which is an approach designed to foster identification of state environmental priorities and goals, and to allow states to better direct federal resources to address those priorities through the use of environmental indicators as performance measures of progress in environmental quality. Fundamental elements of the NEPPS process are shown in Figure 1, involving an integrated partnership approach to results-based management.

Figure 1

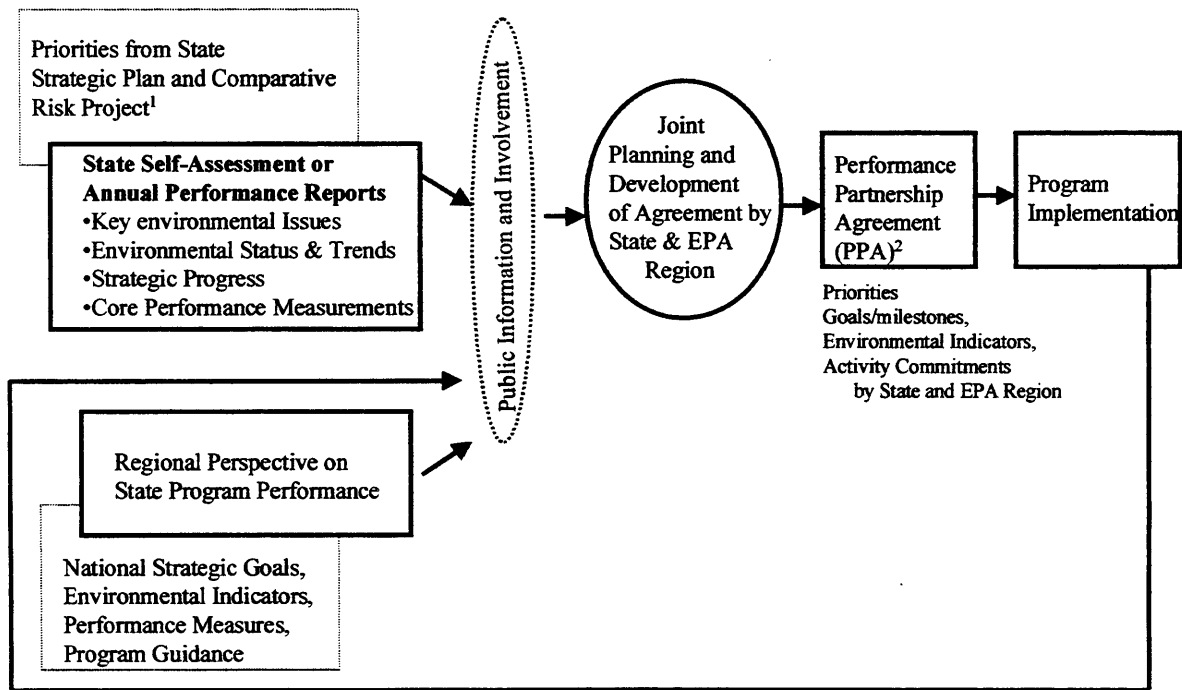
NATIONAL ENVIRONMENTAL PERFORMANCE PARTNERSHIP SYSTEM (NEPPS)

Major Components of System



In 1997, ECOS and EPA reaffirmed their commitment to NEPPS through a joint statement on measuring environmental progress through the use of a set of core performance measures [ECOS and EPA, 1997]. Additionally, in 1998, in a letter from former Deputy Administrator Fred Hansen, the Agency re-emphasized its support for the NEPPS process and principles, as well as a commitment to work with the states to implement the core performance measures for both improvement of information collection and environmental program management. Figure 2 depicts the major steps involved in the overall NEPPS process, including planning, priority setting, public involvement, program implementation and program evaluation through the use of indicators and performance measures. This document represents an environmental Performance Partnership Agreement (PPA) as indicated in Figure 2.

Figure 2
NATIONAL ENVIRONMENTAL PERFORMANCE PARTNERSHIP SYSTEM (NEPPS):
Major Steps in Process



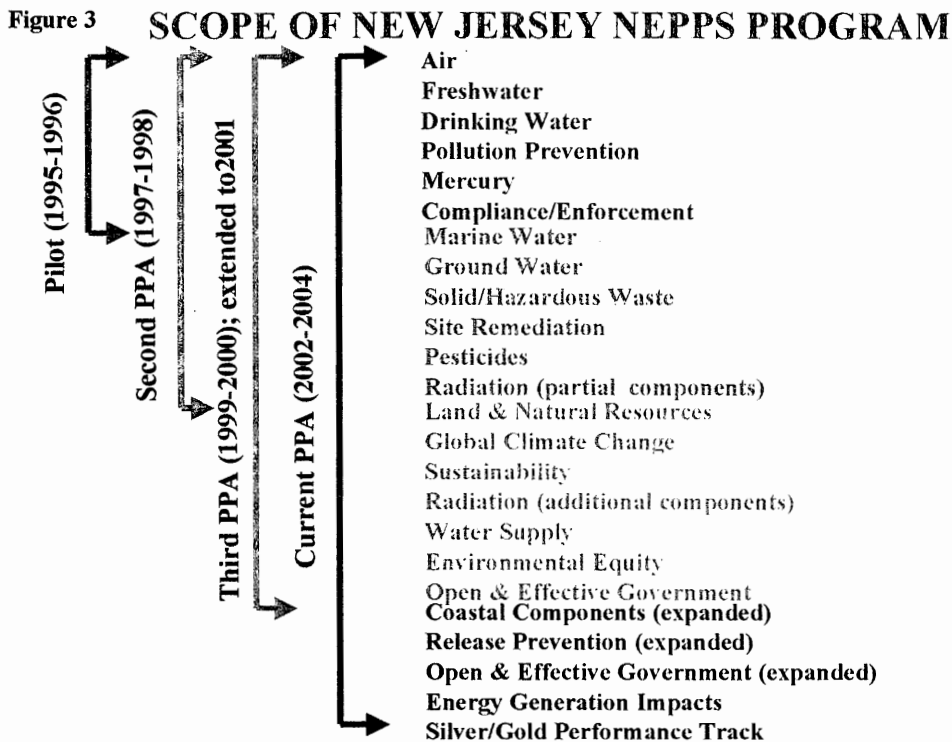
¹ New Jersey initiated such a comparative risk project in 1998, partially supported with resources from EPA

² New Jersey's current PPA is for 3 years

The long-range goal of both NJDEP and EPA is to protect public health and the environment by developing a system where the two agencies, in conjunction with other parties, work together for continuous gains in environmental quality and productivity. In 1996, New Jersey was one of the first states in the nation to participate in NEPPS. New Jersey began its NEPPS participation with a pilot State Fiscal Year 96 (SFY96) PPA which focused on air quality, drinking water, and freshwater watersheds. With the second Agreement during SFY97/98, the NEPPS approach was extended to involve additional environmental areas and included air quality/radiation, water quality, drinking water, site remediation, solid/hazardous waste management, pesticides, compliance and enforcement, and pollution prevention. The third Agreement, for SFY99-2001, completed the extension of the scope of this results-based management approach to virtually all major program areas in NJDEP, including three new PPA goal areas for land and natural resources, global climate change, and an open and effective government goal which provided the initial presentation of subgoals for department-wide operations.

This fourth Agreement, which is the first New Jersey PPA designed for a three-year period, builds upon the areas and information included in previous Agreements. Highlights

include: additional indicators and strategies for land and natural resources, an initial offering of milestones, objectives and strategies for department-wide operations, and the addition of pollution prevention as a subgoal area while expanding the related release prevention component. Some organizational changes were made in this Agreement to complete the alignment with NJDEP's 6 strategic plan goals. As such, the former separate goal areas of site remediation, solid/hazardous waste, pesticides, mercury, pollution prevention and radiation, now appear as components of the Safe and Healthy Communities goal area. Each component continues to include specific subgoals, milestones, indicators and strategies which are designed to assist in meeting defined objectives.



The priorities defined for the areas covered in this Agreement reflect the key issues in the *SFY97 Self-Assessment of New Jersey's Environment and NJDEP Programs* (NJDEP), *NJDEP's Strategic Plan* (NJDEP, 1998), the *EPA Strategic Plan* (EPA, 2000), and the *EPA Region 2 Strategic Plan* (EPA, 2001). Negotiation of the current Agreement was also informed by data provided on environmental and strategic progress made in New Jersey during 1999-2001 as described in the Annual Performance Reports (November 1999 and December 2000), in the draft Environmental Indicators Technical Report, 2nd edition, and in the 2000 and 2001 NJDEP Environmental Progress Briefings on the 6 NJDEP Strategic Plan goals.

This PPA will be in place through June 30, 2004. By mutual agreement, EPA and NJDEP may include relevant modifications to the PPA. Changes may be based on the information received during public outreach, changes in state or federal regulations or law, information

derived from environmental indicator trends, revised or new state or national environmental goals, or changes in available resources. The parties may also mutually agree to a potential extension of this Agreement. All NJDEP programs supported by EPA grant dollars are involved in the NEPPS process, including those programs specifically eligible to be supported by the federal consolidated grant, referred to as the Performance Partnership Grant (PPG). Additionally, most state-funded or other federally-funded NJDEP programs are also included in this PPA to provide one comprehensive plan containing measures of progress and strategies to achieve New Jersey's environmental goals.

Guiding Principles

NJDEP and EPA will be guided by the following principles as they work together to carry out the terms of this Agreement:

- Continuous environmental quality improvements are desirable and achievable in New Jersey.
- To enhance achievement of environmental results, NJDEP and EPA will seek to build effective partnerships between the two agencies, as well as with the citizens of New Jersey and other organizations.
- To foster the NJDEP & EPA partnership, the agencies agree, to the extent possible, to notify each other in advance of major environmental policy decisions, including, where appropriate, enforcement actions.
- EPA and NJDEP further agree to strive toward mutual notification prior to public release of significant New Jersey environmental information, particularly the release of national reports containing New Jersey data.
- A core level of environmental protection will be maintained for all residents of the state, including particular attention to environmental equity concerns.
- Joint planning by NJDEP and EPA will be based on goals that reflect conditions in New Jersey, as well as fundamental national environmental goals.
- State and federal resources and planning will be applied to the highest priority environmental problems, including attention to priority place-based concerns.
- Pollution prevention will be favored over management, treatment and disposal of wastes.
- Innovative environmental management strategies will be employed including the application of performance incentives to achieve continued environmental improvement.

- Opportunities for identification and implementation of overall state reporting burden reduction will be utilized so as to ensure that information collected and shared has specific and demonstrated uses.
- Enhanced scientific assessments of environmental data will be pursued to enable the status of New Jersey's environment to be reported through the use of indicators that reflect conditions, trends and results.
- Indicators selected will be appropriate for the evaluation of progress toward goals, and will use data of sufficient quality to support such analyses.
- Evaluations of the linkages among presumed causes, environmental conditions of concern, and the effectiveness of selected management strategies will be pursued.
- Improved public understanding of environmental issues and involvement in policy and rule development discussions will be important components of this process.
- State programs achieving jointly agreed upon objectives require minimal federal oversight; federal resources freed up by reduced need for oversight will be used to assist state programs as needed.
- The state and EPA will work together to provide fundamental protection for the public and ensure compliance with environmental laws and regulations.

Roles and Responsibilities

NJDEP and EPA have a wide range of responsibilities with respect to state and federal environmental programs, some of which are separate, some of which are complementary and some of which are joint. There are specific state products which, under federal statute or regulation, require federal approval (e.g., revisions to water quality standards). The parties will work together to ensure that the appropriate federal role in approving such products is preserved. Activities which will be pursued by each agency are discussed in detail later in the document. There are specific EPA activities that, under federal statute or regulation, cannot be delegated or terminated. The parties will work together to ensure that the federal role in conducting such activities is preserved.

Approach

NJDEP: NJDEP's NEPPS process is coordinated by a Department-wide Steering Committee. This Steering Committee oversees the development of the PPA, Annual Performance Reports, New Jersey's Environmental Indicators system and the State of the Environment Reports, and assists NJDEP's Management Team in development of the annual Environmental Progress Briefings for NJDEP's 6 strategic goal areas. The Steering

Committee also makes recommendations for additional integration of results-based management approaches into departmental activities, including the budget development process. The leadership of the Steering Committee receives regular guidance from NJDEP Commissioner, Robert C. Shinn, Jr., on the direction and scope of the NEPPS process in New Jersey. The Steering Committee is co-chaired by NJDEP's Assistant Commissioner for Environmental Planning and Science (Leslie McGeorge) as well as a Bureau Chief from the Land Use Regulation Program (Bryan Ianni). Several representatives from EPA Region 2 are also members of the NJDEP Steering Committee.

NJDEP employed a goal-based, multi-program workgroup approach to develop the components of this PPA. The primary charges of these workgroups are to establish or refine existing goals, milestones, and environmental indicators, review indicator results, and identify and negotiate activity commitments to achieve the goals. These workgroups function in conjunction with NJDEP Goal-based Management Summit groups. Each Summit consists of upper management representatives from the various programs reflected within the particular goal area. These Management Summit groups are:

NJDEP Management Summits

- Clean Air
- Clean & Plentiful Water
- Safe & Healthy Communities
- Healthy Ecosystems/Abundant Open Space
- Core Team (for Open and Effective Government Goal)

In the case of Open and Effective Government, which addresses the operations and performance of the department, NJDEP's Core Team serves as both the NEPPS workgroup and the Management Summit group for this goal area.

EPA Region 2: EPA Region 2 also has a NEPPS Steering Committee with a charter that:

- Serves as a primary forum for discussion of NEPPS policy development and implementation issues to the Region;
- Makes recommendations for the regional implementation of NEPPS policy to Region 2's senior management;
- Ensures consistency of NEPPS policy implementation with national and other regional efforts;
- Promotes the discussion and use of environmental indicators;
- Fosters teamwork and mutual ownership of NEPPS matters; and
- Identifies and promotes opportunities for regional program involvement in light of the increased partnership with New Jersey.

In the short-term, the Region 2 Steering Committee efforts focussed on the issues associated with the development, approval and implementation of the multi-media/program PPA. The Steering Committee is also tasked with addressing NEPPS-related implementation concerns of importance to the Region, including but not limited to;

Government Performance and Results Act (GPRA) reporting, Core Performance Measures issues, national and regional Strategic Plan cross-cutting issues and functional roles of program staff. A list of the members of both agencies' Steering Committees as well as the NJDEP work groups is included in the Acknowledgments section in the front of this document.

In addition to the DEP and EPA Steering Committees and DEP Work Groups, additional managers and staff from both agencies assist in the development of the PPAs. This involves multiple program-level meetings as well as various agency-wide managers meetings. On April 17, 2001, as a first step in the development of this PPA, a kick-off meeting involving key negotiators as well as other appropriate managers from both agencies was held at the EPA Edison facility.

NJDEP's Strategic Plan and Results-Based Management System

In 1998, NJDEP developed its first Department-wide Strategic Plan which has a four year time horizon. The Plan was finalized in 1999 (NJDEP Strategic Plan 1998-2001). This document sets forth the agency's vision, mission, six broad goals and milestones that mark progress toward meeting those goals. These strategic goals are:

Strategic Goals

- Clean Air
- Clean and Plentiful Water
- Safe & Healthy Communities
- Healthy Ecosystems
- Abundant Open Space
- Open and Effective Government

The Strategic Plan also sets forth the new or expanded broad strategies or areas of emphasis for improving the environment and NJDEP's delivery of public services over the four year period. This high level plan does not include environmental indicators or a comprehensive set of strategies/activities deployed by NJDEP. The environmental indicators and the comprehensive strategies are provided in the PPA.

The NJDEP Strategic Plan is one in a hierarchy of interrelated plans which describe New Jersey's current focus, future directions, strategies, and ongoing measures of environmental progress. Each is part of the complete picture of where NJDEP is headed in integrating high environmental quality, public health and economic vitality in the pursuit of a sustainable state (see Figure 4). This figure represents the hierarchy of plans in New

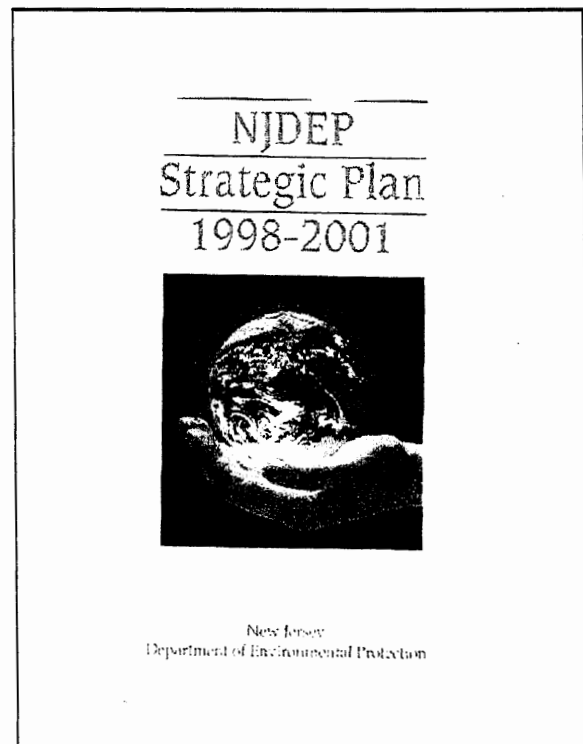
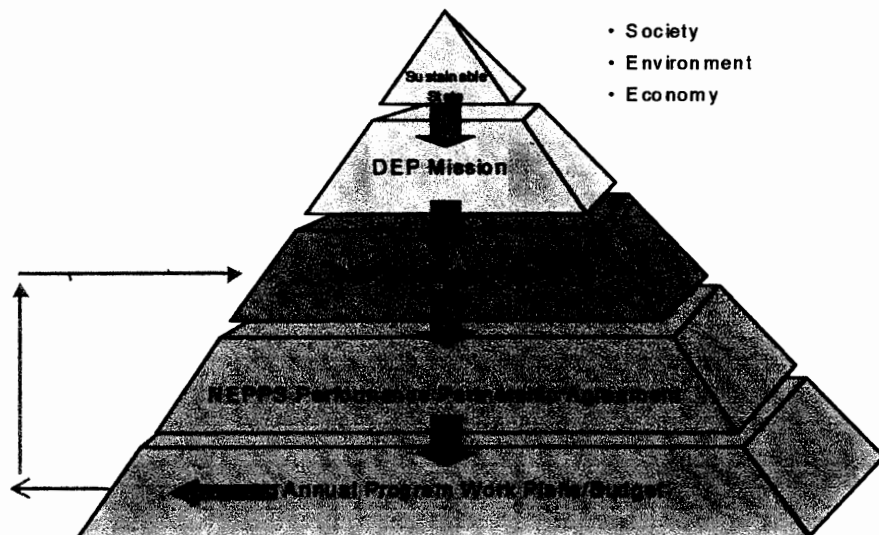


Figure 4

NJ's RESULTS-BASED MANAGEMENT SYSTEM:
PLANNING HIERARCHY



Jersey's overall environmental management efforts. At the top of the pyramid is New Jersey's sustainable state initiative and goals, followed by NJDEP's mission statement and Strategic Plan. The NJDEP Strategic Plan is implemented through New Jersey's participation in NEPPS and, specifically, through the PPA, which is supported by program-specific annual workplans. At each subsequent level of the hierarchy, the level of detail of the approach increases, and the implementation timeframes decrease.

Within the scope of its strategic planning efforts, NJDEP has developed and implemented a results-based management (RBM) reporting system designed to engage all department managers and staff in this strategic planning process, as well as to gauge progress in meeting the goals and milestones. The overall intent of the RBM system is to:

- Provide an understanding of the department's environmental and operational goals
- Evaluate progress towards the Strategic Plan and NEPPS PPA goals using the PPA indicators system
- Establish ownership of the six overarching strategic goals (now equivalent to the NEPPS goals)
- Provide for the timely alignment of: operational processes; continuous improvement efforts; development, revision and implementation of workplans and resource allocations (personnel and financial) to the Strategic Plan/PPA goals
- Provide regular reports between all levels of management and improve communication and coordination across programs and all NJDEP employees
- Institutionalize the goals by linking program-specific workplans and Performance Assessment Reviews of managers/staff
- Establish a system for problem identification and solution
- Maximize the effectiveness of both integrated as well as program-specific data systems

- Evaluate the operational effectiveness of the reporting system.

The RBM system is comprised of quarterly reports on environmental progress and strategic accomplishments, as well as annual environmental progress briefings (for both managers and staff) on each of the six strategic goals. These environmental progress briefings are designed to highlight annual progress in achieving the subgoals and milestones, identified within the PPA, as well as to identify problem areas and/or strategies requiring specific focus within the coming year. Additionally, NJDEP's budget process has been refined such that the development of program budgets also involves ensuring alignment with the strategic planning strategies that are being implemented. NJDEP utilizes its 5 goal area-related Management Summit Groups and the NEPPS Steering Committee as the mechanisms for cross-program discussion and decision-making related to implementation of its RBM system.

Environmental Progress and Performance Reporting

One of the critical elements in the implementation of the overall NEPPS process is a state's self-evaluation of its performance. NJDEP has prepared two self-assessment documents (NJDEP, August 1995 and July 1997) which identify and report on key environmental issues and program strengths and limitations. In addition, other recent reports on environmental progress and performance include:

1999 Annual Performance Report

An *Annual Performance Report* was prepared, in 1999, as an assessment of environmental and strategic progress towards achieving goals, milestones and departmental commitments. The report consisted of Environmental as well as Strategic Progress Sections; the former reported progress on our environmental goals and milestones while the latter detailed progress on activity commitments. EPA also prepared a section, within each area, on its progress towards its commitments in the FY99-01PPA. This document also served as a close-out report for grant funding purposes for FY99. NJDEP has posted the FY99 Annual Performance Report on its NEPPS Webpage (<http://www.state.nj.us/dep/dsr/nepps.htm>).

2000 Annual Performance Report

A *2000 Annual Performance Report* was published by NJDEP, in December 2000 and, like its predecessor, served as a close-out report for FY00 grant funding purposes. Unlike previous annual performance reports, this report focussed on Strategic Progress in activity commitments as well as a detailed report on Core Performance Measures. The Environmental Progress information was provided to EPA Region 2 via copies of NJDEP's 2000 Annual Environmental Progress Briefings (discussed above under "Strategic Plan and Results-Based Management") for the 6 goal areas contained within its Strategic Plan. Copies of these briefings were provided to EPA Region 2 in December 2000.

New Jersey Environmental Indicators Technical Report, 2nd edition

A draft of the 2nd Edition of *New Jersey's Environmental Indicators Technical Report* has been developed and provided to EPA Region 2. The first edition of this document was published in July 1998. As a principal component of NEPPS and results-based environmental management, this report addresses a number of environmental measures or indicators for the goal areas of: global climate change, pollution & release prevention, air quality/radiation, clean & plentiful water (surface, ground, & drinking water), site remediation, solid/hazardous waste, and pesticides. This Technical Report continues to lay the foundation for NJDEP's efforts to measure environmental progress through the use of environmental indicators. This document contains detailed information for those environmental indicators for which information is available at this time. The final version of this Technical Report is expected to be published in fall 2001 and will be available on NJDEP's NEPPS WebPage.

2000 State of the Environment Report

The second edition of New Jersey's State of the Environment report is also in final preparation. The report, entitled *New Jersey's Environment 2000*, continues to use many of the environmental indicators from both the inaugural State of the Environment report (*New Jersey's Environment 1998*) as well as the Indicators Technical Report, along with plain language to facilitate public understanding and evaluation of the state's progress toward meeting its environmental goals in the areas of air and water quality, reducing and preventing pollution and natural resources. This second edition also places additional emphasis on issues such as sustainability and personal responsibility – two themes, integrated throughout the report, which attempt to provide useful information for citizens who want to be engaged in environmental stewardship. Anticipated publication of this report is fall 2001. The final report will also be available on NJDEP's main web page.

Stakeholder Participation and Outreach Efforts

Throughout New Jersey's participation in the NEPPS process, various mechanisms to inform the public and stakeholders of NJDEP's NEPPS efforts have been pursued. NJDEP management and staff held numerous discussions on New Jersey's NEPPS efforts with stakeholder groups such as: advisory committees to NJDEP (NJDEP's Green & Gold Advisory Task Force, New Jersey Drinking Water Quality Institute, New Jersey Clean Air Council, etc.); state legislative committees; local and municipal officials (League of Municipalities Convention); county officials (New Jersey Association of Counties, CEHA Annual Grant Conference); national meetings/conferences (ECOS/EPA All-States Meeting, Performance Measures Institute, National Meeting of Environmental Management Practitioners, etc.). Internal presentations and workshops have also been made to management and staff at both agencies to provide information and receive input on New Jersey's participation in NEPPS. Additionally, NJDEP and EPA Region 2 managers have held several joint, one-day meetings, the latest in May 2000, to continue to familiarize managers in both agencies with outcome-based environmental management and its relationship to a partnership implementation of NEPPS in New Jersey.

Articles have been prepared for various NJDEP publications (e.g., *NJ Discharger*, *H2Observer*), describing the different stages of participation (NEPPS in general, Self-Assessment development, Agreement development, etc.) as well as next steps for New Jersey. Additionally, indicators developed through the New Jersey NEPPS process have been used in other New Jersey State agencies' strategic planning and/or communications efforts including the Sustainable State Report – *Living with the Future in Mind, 2000* (The Interagency Sustainability Workgroup & NJ Future), *The New Jersey State Development and Redevelopment Plan* (NJ State Planning Commission), *Healthy NJ 2010* (NJ Department of Health and Senior Services), and the *FY2000, 2001 and 2002 Budget in Brief* (Office of Management and Budget).

NEPPS web sites have also been established by both NJDEP (<http://www.state.nj.us/dep/dsr/nepps.htm>) and EPA Region 2 (<http://www.epa.gov/region02>) in order to keep stakeholders informed of NEPPS developments in New Jersey. On those web sites, stakeholders can find general information regarding NEPPS, copies of various New Jersey NEPPS or environmental indicator-related documents, information on any upcoming NEPPS stakeholder outreach events, as well as links to other NEPPS or environmental indicator-related web sites.

As New Jersey recognizes the importance of continued stakeholder involvement in the refinement of its environmental results-based management system (including the development and reporting of various environmental indicators), additional stakeholder and outreach-related activities are anticipated subsequent to the signing of this PPA as well as publication of the *Environmental Indicators Technical Report 2nd edition* and the 2000 State of the Environment report (*New Jersey's Environment 2000*). It is expected that the NJ Center for Environmental Indicators (discussed later under the "Environmental Indicators" portion of this section) will assist NJDEP with an environmental goals and indicators stakeholder event in 2002.

Environmental Goals, Indicators, Program Commitments and Core Performance Measures (CPMs)

A fundamental premise of NEPPS is to encourage both state and federal program managers to focus on management for environmental results. As such, NEPPS calls for explicit articulation of environmental goals, and the development and use of environmental indicators to measure progress toward these goals. This shift in performance assessment emphasis from program activity measures to environmental quality measures is a key element of many current national and state initiatives to reinvent environmental protection. Enhanced understanding of environmental conditions is designed to lead to improved management strategies for the protection of public health and the environment. This Agreement contains the following three major elements: 1) goals, 2) indicators, and 3) activity commitments. The general structure of this Agreement is shown below:

1. Environmental Goals

- Goal
 - Subgoals
 - Milestones/Objectives
2. **Environmental Indicators**
- Cause-Condition-Response Indicators
3. **Activity Commitments**
- Data Collection and Assessment
 - Strategic Planning and Strategy Development
 - Strategy Implementation
 - Strategy Evaluation

Both environmental indicators and progress in environmentally important program activities can be viewed as performance measures.

Environmental Goals

This Agreement articulates environmental goals and milestones for New Jersey in the areas of Clean Air (including global climate change), Clean & Plentiful Water, Land and Natural Resources, Safe & Healthy Communities (site remediation, solid/hazardous waste management, pesticides, radiation and mercury) and Open and Effective Government. The goals and milestones are considered to be ambitious, yet reasonably achievable. In developing these goals, a number of resources were reviewed including, the national goals embodied in *Proposed Environmental Goals for America and Milestones for 2005* (USEPA, 1995), the *EPA Strategic Plan (2000)*, the *NJDEP Strategic Plan (1998)*, as well as state and federal statutory and regulatory requirements. Additionally, through the stakeholder input process, the goals and milestones were designed to be as reflective as possible of societal values regarding environmental resources.

In order to increase the utility of the goals for management purposes, they are broken down into the following three levels for each of the resource areas: goal, subgoals and specific milestones/objectives. The goals are long-range general goals for the given resource (e.g., air quality) in its entirety. The goal statements developed during this process are listed below:

Goals in this Agreement¹

Clean Air

Ensure a high quality of life for the residents of New Jersey by preserving, sustaining, protecting, and enhancing the air environment. Air quality across the state should be healthful for all its citizens and of sufficient purity not to degrade the quality of life or cause undue economic loss.

Clean & Plentiful Water

New Jersey's rivers, lakes and coastal waters will be fishable, swimmable and support healthy

¹ These long-term goals are presented in order of the sections within the remainder of this PPA document. For further information on subgoals, specific milestones/objectives, indicators & activity commitments associated with these overall goals, refer to the appropriate tables within the PPA.

ecosystems. Surface and ground water will be clean sources of water. Every person in New Jersey will have safe drinking water. Adequate quantities of clean surface water will be available for all needed uses.

Land and Natural Resources

Maintain, enhance and restore functioning ecosystems and sustainable communities.

Safe and Healthy Communities

New Jersey communities will be free from unacceptable human health & ecological risks through the prevention of releases of harmful substances/agents to environmental media and through the safe management of harmful substances/agents and harmful incidents/occurrences, including those involving floods, fires and storms.

Open and Effective Government

The Department will fulfill its mission & achieve its vision & goals through the involvement of citizens and stakeholders as critical partners & through its ongoing commitment to quality principles and methods as a means to achieve continuous improvement in its operations.

The subgoals break down the overall goal into manageable elements (e.g., criteria air pollutants) identified as key environmental issue areas. Milestones/objectives are provided for each subgoal that, to the extent possible, quantify desired environmental outcomes in a given time frame (e.g., statewide attainment of the ozone ambient air quality standard by 2007). Milestones are provided when it is feasible to develop quantitative targets for a given timeframe; objectives are provided that reflect a directional goal statement (e.g., increase, decrease, maintain) where targets cannot or have not been established yet. To the extent possible, current New Jersey environmental quality data were reviewed to assess baseline conditions to project reasonably achievable milestones. It is the intent of NJDEP to advance objectives into milestones as feasible and appropriate. The milestones/objectives in the PPA represent the goals associated with the greatest level of specificity and, therefore, were chosen to serve as the basis for the environmental indicator framework used in this Agreement. Therefore, environmental indicators were developed to measure progress toward achieving the identified milestones/objectives.

The environmental goals and milestones/objectives in this Agreement are not intended to be viewed as deliverables for which accountability is expected for the purpose of receipt of grant dollars. These goals are useful environmental targets to provide focus for program activities and to encourage evaluations of the linkages between program activities and achievement of specific environmental results. It is understood that environmental outcomes are influenced by many factors outside of the control of specific environmental agencies (e.g., natural conditions, unregulated individual activities, widespread regional influences). Therefore, even when environmental programs are well conducted, goals may not be obtainable in the desired time frames. Sound program performance should include progress toward environmental goals, or at a minimum, knowledge of the trends, a well founded assessment of the factors that are limiting progress, and a consideration of alternate or additional strategies where necessary.

Environmental Indicators

Environmental indicators for each milestone/objective were selected. This selection process was initiated by an extensive review of a number of environmental indicator resource materials available in New Jersey and from EPA.

These resources include:

- NJDEP, *Environmental Indicators Technical Report*, June 1998 and draft *Environmental Indicators Technical Report, 2nd edition*
- EPA's FY98, FY99 (Air) and FY00 (Water) *Core Performance Measures*
- NJDEP, *New Jersey's Environment 1998* and draft *New Jersey's Environment 2000*
- NJDEP Environmental Progress Briefings - Clean Air, Clean & Plentiful Water, Safe & Healthy Communities, Healthy Ecosystems, Abundant Open Space, and Open & Effective Government, 2000
- NJDHSS, draft *Healthy New Jersey 2010*, January 2001
- *The New Jersey State Development and Redevelopment Plan*, March 2001
- *Living with the Future in Mind, 2000, Goals and Indicators for New Jersey's Quality of Life*, December 2000
- National Air and Radiation Indicators Project, Florida Center for Public Management's *National Air and Radiation Indicators Manual*, Final Review Draft, March 1997
- EPA, Office of Water, *National Indicators for Water*, June 1996
- State Environmental Goals and Indicators Project, Florida Center for Public Management's *Prospective Indicators for State Use in Performance Agreements*, August 15, 1995 (revised August 22, 1995)
- EPA's *Draft Proposed Environmental Goals for America and Milestones for 2005* document
- NJDEP, Division of Science, Research & Technology, Environmental Indicators Database, 1995

Evaluation and selection of New Jersey's environmental indicators is a continuing process. Initial descriptions of the selection of specific indicators may be found in the August 1995 New Jersey Self-Assessment, the March 1996 New Jersey Agreement, the July 1996 stakeholders workshop report - *Management for Environmental Results in New Jersey, A*

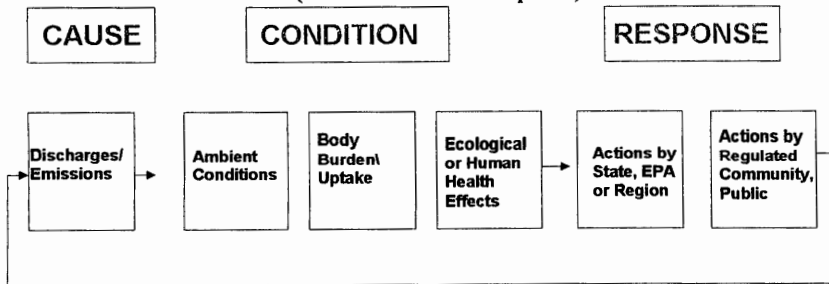
Report on the April 30, 1996 Workshop on the National Environmental Performance Partnership System, the SFY97 New Jersey Self-Assessment, the January 1997 New Jersey Agreement, the October 1997 Interim Progress Report, the draft Annual Performance Report, and the September 1998 stakeholders workshop report - *Implementing Results-Based Management in New Jersey: NEPPS and Strategic Planning, A Report on the June 25, 1998 Workshop*. The environmental indicators contained in this PPA were selected by the NJDEP work groups and the NEPPS Steering Committee, with input from appropriate NJDEP managers and stakeholders. NJDEP is also receiving academic support from NJCEI in the evaluation and selection of indicators for inclusion in New Jersey's system.

Indicators that were chosen for reporting in this Agreement are those for which reliable data are currently available. In cases where the extent or quality of the data cannot currently support reporting, the indicator has been identified in the Agreement either for the purpose of a short-term evaluation of the feasibility of developing the indicator, or for potential future consideration. The Agreement clearly distinguishes those indicators with reporting commitments during the period of the PPA from those that are offered for future evaluation. Those indicators to be reported during the Agreement are labeled as either "CPM" (Core Performance Measure) or "Other Committed" indicators in the Goals/Indicators tables.

Figure 5

NJ INDICATORS MODEL

(Pressure-State-Response)
or
(Cause-Condition-Response)



Where possible, a suite of indicators associated with each milestone/objective was chosen following the Cause-Condition-Response model to classify the indicators (see Figure 5). In this figure, Cause indicators represent stresses on the environment (e.g., emissions) which are presumed to be related to the conditions (note: causality is not necessarily known). Condition indicators represent ambient conditions, including human health or ecological effects, and

Response indicators represent societal responses, including those activities conducted by regulatory agencies, the regulated community, and the public (EPA, *Draft Interim 1995 Indicators Report*, April 1995). This framework implies a feedback loop where the societal responses reduce the environmental pressures and result in improvements in the state of the environment. This model has been used by international organizations, EPA, the State Environmental Goals and Indicators Project, and others, as a way of categorizing indicators which fosters an understanding of the nature of the information provided by a

given indicator, as well as the relationships among the indicators. This model can also be used to identify gaps in the types of indicators available for a given environmental goal.

Application of this model for this Agreement was found to be very helpful in framing out a suite of indicators for each milestone, and in identifying key areas where additional efforts are needed to develop indicators in the future. The indicators contained in the Environmental Goals/Indicators tables in the Agreement are organized on the basis of the Cause-Condition-Response model.

This Agreement includes commitments to report on the status of numerous indicators, including some response indicators which may relate to measures of certain strategic activities. For the environmental indicators of the Cause and Condition types, it is acknowledged that a continued significant commitment of resources is needed to collect, manage, assess, integrate, and present data in new, and in many cases, more environmentally meaningful ways than has previously been done. This commitment should prove beneficial as the NEPPS process proceeds over the years, and the increased availability of environmental quality information through the use of indicators positively influences environmental program directions. Sound program performance is expected to affect the achievement of many of the desired environmental outcomes. NJDEP will also be emphasizing evaluations of baseline conditions with regards to indicator development, where uncertainty regarding these conditions currently exists. The relationship between program performance and indicators is further discussed in the Program Commitments section of this Agreement.

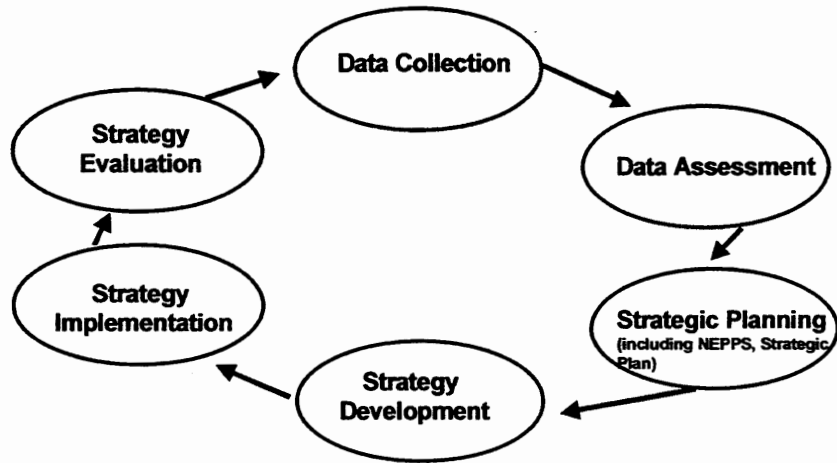
In an effort to assist in the development of environmental indicators, in April 1998, the New Jersey Center for Environmental Indicators (NJCEI) was established. The Center is a partnership between NJDEP, Rutgers University and the Environmental and Occupational Health Sciences Institute (Rutgers/Univ. of Medicine and Dentistry of New Jersey). The main goal of the Center is to further the development and utilization of sound environmental indicators in New Jersey. The Center also works with NJDEP to develop outreach, education and information dissemination mechanisms to improve public understanding and dialogue regarding environmental indicators. Additional information on New Jersey's environmental indicator development efforts may be found in the Cross-Cutting Issues section of this document.

Activity Commitments

Measures of societal responses are an important part of the Cause-Condition-Response model, including the responses of environmental agencies. As noted in the indicator discussion above, sound program performance is expected to affect the achievement of many of the desired environmental outcomes. Program commitments are environmental agency strategies and activities designed to achieve these outcomes and to protect gains already achieved (e.g., permitting, enforcement and other prevention programs). These activities are linked to the goals they are intended to further and the indicators designed to measure progress towards the goals in the Goals/Indicators/Activity Commitment tables

in this Agreement. These tables include the activities NJDEP and EPA plan to undertake over the life of this Agreement, how the accomplishment of the activities will be reported, which agency is responsible for their accomplishment and the source(s) of funding for the activities. These activities, unless otherwise specified as annual activities, are expected to span the full time period of this Agreement.

**Figure 6
CORE ACTIVITIES IN ENVIRONMENTAL PROTECTION PROCESS**



Core environmental agency activities are categorized as shown in Figure 6. In order to cover this full cycle of environmental protection processes, program commitments in the PPA tables have been broken down into the following four areas: 1) data collection and assessment, 2) strategic planning and strategy development, 3) strategy implementation, and 4) strategy evaluation.

Core Performance Measures

There are numerous measures of program and environmental performance contained throughout this Agreement. Under NEPPS, through their Joint Statement on Measuring Environmental Progress (1997), EPA and ECOS have developed a limited set of national Core Performance Measures (CPMs) for each major EPA program office. These measures are intended to be reflective of major program outputs and outcomes, and include a number of key environmental indicators. The CPMs were intended to provide the minimum level of reporting required by EPA to conduct meaningful evaluations of program performance, thereby significantly reducing States' reporting to EPA. Efforts to achieve burden reduction are being pursued by ECOS and EPA, though the emphasis has been on use of CPMs. Consistent with the NEPPS philosophy, which focuses on environmental outcomes, EPA did not associate specific required performance levels with each core measure.

The Core Performance Measures used in this PPA are: FY99 CPMs for Air/Radiation; FY2000 CPMs for Water; and the FY98 CPMs for Pollution Prevention/Pesticides/Toxics, Solid Waste/Emergency Response and Compliance & Enforcement Accountability

Measures. NJDEP and EPA Region 2 considered these CPMs in the negotiation of this FY02-04 PPA and the development of New Jersey's complete system of goals, indicators and program commitments was informed by these core measures. Appendix A contains a table of all Core Performance Measures and Associated Reporting Requirements which clearly identifies those measures that NJDEP and EPA Region 2 believe to be appropriate for application to New Jersey, as well as any necessary deviation from the core measures or reporting requirements negotiated by EPA and ECOS (these deviations are referred to, in this document, as "Negotiated CPMs"). Revisions were necessary when data or assessments were not available in New Jersey, or when reporting clarity was necessary. As these core measures and reporting requirements have been integrated within the appropriate goal/indicator or activity commitment tables, Appendix A also provides the location of each core measure or reporting requirement that NJDEP and EPA Region 2 have committed to report. Any further progress at the national level in refining CPMs will be considered by NJDEP and EPA Region 2 in any modifications of this PPA.

II. SCOPE OF AGREEMENT AND ACCOUNTABILITY

Background

Since EPA was formed in 1970, State capacity and responsibility for implementing environmental and public health protection programs has grown steadily. Meanwhile, environmental problems and their solutions have become more complex. In light of these changes, State and EPA leaders recognized that continued environmental progress could be best achieved if EPA and States worked together more effectively—as partners. In 1995, they agreed to develop and implement the National Environmental Performance Partnership System (NEPPS).

As part of this effort, EPA and the States worked together to modify the EPA grant regulations in 40CFR Part 35. The modified rule is intended to promote State-EPA collaboration; provide opportunities for innovation; and reduce paperwork while ensuring sound fiscal management and accountability for environmental performance in a manner consistent with NEPPS. For example, EPA hopes to foster joint planning and priority-setting by explicitly requiring that State priorities and needs be considered, along with national and regional guidance, in negotiating grant work plans. Under this rule, a State can choose to organize its grant work plans in accordance with environmental goals and objectives or in other new ways rather than using categories predefined by EPA. However, EPA must be able to link the grant work plan to EPA's Government Performance and Results Act (GPRA) Goal and Objective Architecture. EPA and NJDEP believe that this PPA furthers the objectives represented by NEPPS and demonstrates significant progress in our joint planning effort.

Programs Covered Under this Agreement

There are numerous federal programs currently delegated to NJDEP. The parties will work together whenever there are major changes to relevant federal statutes or regulations to ensure the delegated state program remains equivalent to the federal program.

For SFY02 through SFY04, the areas to be covered under this Agreement include air quality (including global climate change), water quality, land and natural resources, safe and healthy communities (site remediation, solid/hazardous waste management, pesticides, pollution and release prevention, radiation, and mercury), and open and effective government. This Agreement also covers compliance and enforcement, innovative environmental technologies, and sustainability functions. A list of these programs is provided in Table 1. Table 1 also provides information on the subset of programs which are incorporated into the consolidated federal Performance Partnership Grant. It should be noted that this Agreement strives to present a holistic management approach across the various environmental areas. Therefore, state initiatives are included along with federally funded programs.

**Table 1
NJDEP Programs Covered Under FY2002-2004 PPA**

(* Programs Covered At Least in Part by FY2002-2004 PPG, ** PPG Match Programs – Water Programs Only)

All Goal Areas

- PPA/PPG Development and Coordination*
- State Indicator Development, Coordination and Research*

Clean Air

➤ **Air Quality**

- Air Quality Management*
- Air Quality Permitting*
- Air & Environmental Quality Compliance and Enforcement*
- Global Climate Change
- Air Deposition Research*
- Small Business Assistance
- Local Environmental Management

Clean and Plentiful Water

➤ **Water Quality/Quantity**

- Division of Water Quality
 - Municipal/Industrial Permitting*,**
 - Municipal/Industrial Stormwater Permitting*,**
 - Ground Water Facilities/UIC Permitting*,**
 - Industrial Pretreatment*,**
 - Residuals Management*,**
 - State Revolving Fund (Clean Water)
 - State Loan Programs
 - Treatment Works Approvals
 - Sewer Ban/Capacity Assurance
 - Combined Sewer Overflows/Sanitary Sewer Overflows**
 - Manpower Development
- Environmental Planning and Science
 - Research, Technical Support, Demonstration Projects*
 - Ambient Monitoring (Stream and Sediments, Estuarine Water Quality Monitoring, Shellfish Sanitation, Cooperative Coastal Monitoring (coastal bathing beaches), and Ground Water Quality)*
 - Clean Lakes/Lakes Bond Act
 - National Shellfish Sanitation Program
 - Watershed Management Planning*
 - Water Quality Management Planning*
 - Water Quality Assessment (305b Report, Impaired Waterbodies List, Watershed Assessment:)*
 - Standard Setting
 - Nonpoint Source Management*
 - Coastal Zone Management
 - Estuary Management Programs
 - New Jersey Geological Survey Programs
 - Water Supply Planning
 - Clean Shores
 - Toxics in Fish Tissue Monitoring*
- Water Compliance and Enforcement
 - Surface Water*,**
 - Ground Water/UIC**
 - Compliance Assistance**
- Water Supply Administration
 - Safe Drinking Water Program*
 - Source Water Assessment Program
 - Drinking Water State Revolving Fund (DWSRF) and State Loan Program

- Private Well Testing Program
- Water Allocation
- Well Permitting

Land and Natural Resources

- **Fish and Wildlife**
 - Marine Fisheries
 - Freshwater Fisheries*
 - Shellfisheries
 - Endangered and Nongame Species
 - Wildlife Management
- **Parks and Forestry**
 - Natural Lands Management
 - State Forestry Service
- **Green Acres**
- **Land Use Regulation**
 - Wetlands

Safe and Healthy Communities

- **Compliance and Enforcement**
 - County Environmental Health Act (CEHA) Program*
(Compliance & Enforcement programs are integrated into other goal areas)
- **Pesticide Control**
 - Pesticide Compliance Assurance*
 - Worker Protection*
 - Pesticide Evaluation and Monitoring
 - Pesticides and Groundwater*
 - Integrated Pest Management
 - PCP-FDA Cooperative Food Sampling
 - Pesticide Laboratory Program
 - Pesticide Applicator Certification*
 - Education and Outreach
 - Aquatic Permits
 - Mosquito/Fly Pest Control
 - Data Management
 - New Jersey Food Monitoring & Evaluation
- **Pollution and Release Prevention**
 - Energy Project
 - Toxic Catastrophe Prevention
 - Right-to-Know
 - Discharge Prevention, Containment & Countermeasures
 - Pollution Prevention Planning
- **Radiation**
 - Radiological Assessment
 - Radioactive Materials – Licensing & Inspection
 - Non-ionizing Radiation
 - X-ray Inspection & Quality Assurance
 - Mammography
 - Technologist Licensure
 - Emergency Planning
 - Environmental Monitoring
 - Nuclear Engineering
 - Radon*
- **Site Remediation**
 - Underground Storage Tanks*
 - RCRA Corrective Action*
 - CERCLA (Superfund)
 - ISRA (Industrial Site Recovery Act)
 - State Priority Sites (Administrative Consent Orders pursuant to the New Jersey Spill Control Act, the Solid Waste Management Act, and the Water Pollution Control Act)
 - Voluntary Cleanups (Memorandum of Agreement pursuant to the laws cited above)

- State Publicly Funded Sites (remediations initiated by DEP when a responsible party is non-existent, refuses to or is unable to conduct a cleanup)
- Indicator Data Development
- General Program Development
- Brownfields Sites
- Unknown Source Sites
- Landfills
- Hazardous Waste Research
- Subsurface Investigations
- Geology and Topography
- **Solid/Hazardous Waste**
 - Hazardous Waste Regulation*
 - Hazardous Waste Enforcement*
 - Solid Waste Enforcement
 - Solid Waste Regulation
 - Recycling
- **Mercury**
 - Mercury Task Force*
 - Mercury Control Programs*
 - Mercury Research*

Open and Effective Government

- **Leadership**
 - Environmental Equity
 - Partnerships
 - Innovative Technology and Market Development
- **Strategic Planning**
 - State Development and Redevelopment Plan Implementation
 - Sustainability
 - Results-Based Management System
 - New Jersey Comparative Risk Project
- **Constituent Focus**
 - Constituent Needs and Satisfaction
- **Information and Analysis**
 - New Jersey Environmental Management System (NJEMS/GIS/ENDEX/I-MAPNJ)*
- **Human Resources Focus**
 - Employee Safety, Training and Development
- **Process Management**
 - Process Assessment and Improvement
 - Quality Assurance
 - Lab Certification*
- **Organizational Results**
 - Operational Performance Measures

Grant Work Plan

This Agreement is the Work Plan for the Performance Partnership Grant (PPG) and may serve as the work plan for other EPA grant funding as agreed to by EPA and NJDEP. This Agreement covers State Fiscal Year 2002 through 2004 (July 1, 2001 to June 30, 2004). It is the operative document for performance evaluation for this time period for those areas within its scope.

With this Agreement, program-specific and grant-specific barriers are reduced, which allows for a more integrated approach to management for environmental results. In order to develop resource-based environmental goals and indicators, NJDEP included activities and measures that are state initiated. NJDEP intends that these activities and associated indicators remain outside the scope of federal oversight. The Activity Commitment Tables indicate the funding source(s) for each of the activities.

Performance Partnership Grant (PPG)

A PPG is a multi-program grant designed to provide states with more flexibility in addressing their highest environmental priorities across all media to achieve improved environmental performance. NJDEP has received PPGs from EPA since State Fiscal Year (SFY) 1997. The current New Jersey PPG combines 11 EPA grant programs that had previously been awarded as individual categorical grants. The attached table (Table 2) details the Federal and State match resources that are expected to be available in the SFY2002-2004 PPG and from other EPA sources to support the activities necessary to achieve the environmental goals. The PPG will be amended to include funding when it becomes available through Federal Appropriations Acts. For SFY2002, the PPG involves anticipated total base funding of approximately \$28 million. The table includes a breakdown or listing of the workyears associated with the EPA funding, along with NJDEP's matching contribution. As identified in the table, NJDEP has negotiated seven PPG Work Plan Components generally oriented toward our system of long term goals in the PPA. The Multi-Media Work Plan Component affords the NJDEP the opportunity to address environmental areas of concern that are cross-media in the PPG. Administrative, managerial, and clerical activities will be performed in conjunction with the activities included in the subsequent tables for the PPG Programs as a part of the PPG.

Although most of the major EPA grant programs are included in the PPG, there are several that will still be funded under the specific grant programs, such as: Superfund, Underground Storage Tank (UST) Trust, Clean Water State Revolving Fund (CWSRF), Drinking Water State Revolving Fund (DWSRF), Water Quality Management (604B), PM 2.5 Ambient Air Monitoring Network, Wetlands, and Pesticide Food Quality Protection. Anticipated funding for these grants over the life of the PPA is included in Table 2. In addition to the EPA money, NJDEP receives federal funding from other agencies, such as: National Oceanic and Atmospheric Administration, National Park Service, Forest Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, Federal Highway Administration, Food and Drug Administration, Federal Emergency

Table 2
ESTIMATED WORKYEARS AND FUNDING
SFY 2002-2004 Performance Partnership Grant (PPG) – 3 year PPG

Work Plan Component	Federally Funded Workyears	State Match Workyears	EPA Funding	State Match Funding	Total Funding
Clean Air					
1. Air Pollution	133.6	94.1	\$ 13,652,120	\$ 9,618,081	\$ 23,270,201
Clean & Plentiful Water					
2. Water	209.5	96.3	21,409,958	9,837,303	31,247,261
3. Safe Drinking Water	55.0	18.3	5,621,600	1,873,869	7,495,469
Safe & Healthy Communities					
4. Site Remediation/Waste	112.1	37.4	11,453,496	3,817,833	15,271,329
5. Radon	11.5	11.5	1,170,000	1,170,000	2,340,000
6. Pesticide Control	13.8	3.9	1,413,000	402,537	1,815,537
Multi-Media¹					
7. Multi-Media	14.9	-	1,520,000	-	1,520,000
TOTAL PPG	550.4	261.5	\$ 56,240,174	\$ 26,719,623	\$ 82,959,797

NOTE: The SFY 2002 - 2004 funding levels have not been finalized as of this printing.

Estimated Non-PPG USEPA Grant Programs – 3 Years²

Clean Water State Revolving Fund (CWSRF)	\$ 165,000,000
Drinking Water State Revolving Fund (DWSRF)	54,000,000
Superfund	12,000,000
Water Quality Management (604b)	1,647,000
Leaking Underground Storage Tank (LUST) Trust	3,300,000
PM2.5 Ambient Air Monitoring Network	1,081,000
Wetlands	300,000
Pesticide Food Quality Protection	210,000
TOTAL NON-PPG	\$ 237,538,000

¹ Funding for this category covers aspects of all 6 strategic goal areas (Clean Air, Clean & Plentiful Water, Safe & Healthy Communities, Healthy Ecosystems, Abundant Open Space, & Open & Effective Government)

² Many of the activity commitments for these Non-PPG USEPA Grant Programs are found within the appropriate goal areas.

Management Agency, Department of Defense, and Department of Energy. These programs generally have their own individual work plans and funding for the programs is not reflected in Table 2. However, many of the activities undertaken under these grant programs are included in the Activity Commitment Tables in summary form, so that the Agreement more comprehensively reflects these environmental activities in New Jersey.

Fiscal Accountability

NJDEP has a system in place to adequately account for salary and non-salary expenditures for this Agreement. The New Jersey Comprehensive Financial System (NJCFS), the statewide accounting system, permits the use of a job number and an activity code for all financial transactions. NJDEP utilizes the job number to identify either the grant, project, site or program for which costs are being incurred. The activity code identifies the function or task being performed on behalf of the coded job number. NJDEP also maintains its own detailed Cost Accounting and Timesheet System that allocates employee salaries on the basis of Bi-weekly Time Reports which are required to be submitted by each employee. The employee codes the Time Report to the appropriate job numbers and activity codes. After employee certification of the Time Report, the immediate supervisor also certifies as to the accuracy of the time distribution. After electronic entry of the Time Reports, the cost accounting data contained in the system is reconciled to the Department of Treasury Centralized Payroll System. This occurs through a process whereby the salary payments made by Treasury are allocated within NJDEP's Cost Accounting and Timesheet System to the job numbers and activity codes recorded on the Bi-weekly Employee Time Reports.

Non-salary records are loaded into the NJDEP Data Warehouse from a Department of Treasury computer extract file of NJCFS non-salary transactions for NJDEP. The file contains information including: the account number, job number, and activity code information coded on the NJCFS accounting and procurement documents. Non-salary data by account number, job number and activity code information are also available through ad hoc NJCFS FOCUS reports.

NJDEP utilizes the Cost Accounting and Timesheet System, the Data Warehouse, and the New Jersey Comprehensive Financial System to account for all programs and federal grants awarded to NJDEP. Therefore, NJDEP attests that the capability exists to track program expenditures by grant.

Program Continuity

No single document exists that completely describes all of the goals, objectives and activities of NJDEP and EPA, including this document. The environmental challenges in the State of New Jersey have been the subject of many studies and many management plans, assessments and regulatory efforts. Those previous efforts are a critical component of our present effort. Due to their volume, they could not be directly included in this agreement. Examples of these include, but are not limited to: the Comprehensive Conservation Management Plan (CCMP) for the NY/NJ Harbor Estuary

and the Delaware Estuary Programs, the Workplan for the Barnegat Bay Estuary Program, CERCLA Cooperative Agreements and State Enforcement Agreements. The work plans, objectives, tasks and reporting requirements which are part of these documents remain in place unless specifically superseded by this Agreement or subsequent amendments to this Agreement.

Joint Review

Consistent with the NEPPS philosophy, EPA Region 2 and NJDEP agree that the program review and oversight process is changing significantly. To plan strategically and budget for results, managers need information on program performance and costs. We have addressed above the issue of costs and fiscal accountability. We have in place and are committed to maintaining systems for recording our accomplishments. However, EPA Region 2 and NJDEP see a need for improving our ability to measure the impacts that our accomplishments have on the environmental results that are our primary deliverable. This will result in a lesser emphasis on case-by-case review of New Jersey's activities conducted under federally delegated programs and an increased focus on environmental results. In order to enhance our ability to understand the impact of our accomplishments on environmental results, EPA Region 2 and NJDEP are committed to reforming the current federal oversight process, for federally supported state programs, to a joint review process. This joint review process is grounded in an enhanced understanding of environmental conditions which is designed to lead to continuous improvements in management strategies for the protection of the environment.

NJDEP and EPA Region 2 foresee that the joint review during this PPA will have two components: evaluation of current oversight and program review practices, and the joint program review process. A discussion of each of these components is provided below.

Evaluation of Current Oversight and Program Review Practices

As a result of past efforts to evaluate program review practices, there is a clearer recognition of the extent to which numerous documents and practices (e.g., statutes, regulations, delegation agreements, Memorandums of Understanding, etc.) that have been developed over time influence the nature of the NJDEP - EPA Region 2 relationship. There is continued agreement that all of these should be reviewed, and, where appropriate, revised as necessary, to ensure that we improve our ability to measure the environmental results of our accomplishments. During this PPA, EPA Region 2 and NJDEP agree to continue efforts to: identify and review relevant program delegation agreements, evaluate the components of general federal grant oversight requirements (e.g., part 35 of the federal grant regulations), develop methodology for exploring the relationship between selected indicators and agency responses, and to continue developing and evaluating the appropriateness of environmental indicators identified in the PPA. Progress towards our goal of improving our ability to measure the environmental results of our accomplishments will be evaluated during the periodic meetings of NJDEP and EPA Region 2 program staff described below.

Joint Program Review

As the joint program review process evolves, EPA Region 2 and NJDEP agree that it is mutually beneficial to outline the framework and general expectations of a joint review. Implicit in such a joint review, evaluations will be based on both self-examinations by each agency, as well as reviews by EPA. While receipt of EPA funds requires a level of programmatic review, this review will rely to a greater extent on an environmentally-driven assessment of the progress towards the mutually agreed upon goals/objectives and strategies contained within the PPA. These strategies include both NJDEP commitments and EPA Region 2 commitments.

It is recognized that non-delegated, State-funded programs, in addition to EPA-funded programs are included in this integrated environmental management Agreement. The joint review process described here is designed for those programs which are delegated or funded by EPA. NJDEP will also be using similar principles of managing for environmental results in evaluating its programs which are not delegated or funded by EPA.

The PPA has been negotiated for the time period through June 30, 2004 and the Performance Partnership Grant (PPG) will coincide with this timeframe, with initial funding for the period from July 1, 2001 - June 30, 2004. The process for the joint review will include program staff discussions regarding progress toward achieving PPA goals and major program commitments. The review of progress towards environmental goals, as measured by environmental indicators, will encompass the following, as appropriate to the goals and circumstances in each program area: review of progress towards environmental goals through the indicators in the PPA and the core performance measures, review of accomplishment of other major commitments; assessment of the impact of accomplishments on indicators; assessment of the effectiveness of the program; and proposed revisions to the strategies based on the foregoing assessment.

During the period of this Agreement the joint review process will consist of a number of components:

- Annual Performance Reports - At the end of each state fiscal year, NJDEP and EPA Region 2 will develop an Annual Performance Report which shall provide information on:
 1. Environmental progress towards goals as demonstrated through the environmental indicators contained in the Agreement (Note: this information may alternatively be provided by NJDEP's Environmental Progress Briefings, if linked to NEPPS goals and subgoals)
 2. Strategic progress on accomplishing each agency's major activity commitments. A concise description of the limitations of the strategies for areas where environmental progress is limited will be included, as well as any recommended modifications in overall strategic approaches in these areas.
 3. Core performance measures (CPMs) - emphasis will be placed on reporting of these measures as agreed to in the PPA. These measures may be reflected

under environmental or strategic progress (above) depending on whether the particular CPM is an environmental indicator, an agency outcome or agency output.

Additional information relating to environmental progress towards goals will be provided via copies of NJDEP's Environmental Progress Briefings. A draft report incorporating elements for items 2&3 will be prepared by both agencies by September 30 of each year under the Agreement.

- NJDEP will continue to build upon its existing Environmental Indicators Technical Reports (1998 and 2001 draft). These reports provide the technical basis, data sources and data limitations for the environmental indicators used in the New Jersey NEPPS system. Key indicators can be selected from these reports for a variety of uses after tailoring their presentation for the selected audience. New and/or updated environmental indicators will be added to the electronic library of New Jersey environmental indicators which is currently being developed. Once complete, the library will be accessible via NJDEP's NEPPS webpage.
- New Jersey State of the Environment Report. This NJDEP report provides a general assessment of the status and trends of the quality of New Jersey's environment for a public audience. The first State of the Environment Report was published by New Jersey in 1999. This report will be updated for its second publication in 2001. A third publication is expected to be published in 2003.
- NJDEP Annual Report to the Legislature, provided on a calendar year-end basis for the years in which this report is produced.
- Annual upper management review meetings of progress, using information in the draft Annual Performance Reports that will be completed by September 30 of each year this agreement is in effect. The annual meeting will be scheduled in the fall of each year.
- Periodic (at least biannual) communications between NJDEP and EPA Region 2 program staff to discuss progress under this PPA. Suggested timeframes for these meetings/teleconferences are February and June of each year, however existing meeting schedules may be maintained.
- Environmental Progress Briefing Presentations. In addition to providing copies of annual Environmental Progress Briefings, EPA shall be invited to attend versions of these briefings presented for NJDEP staff. EPA shall be notified of these presentations when notification is issued to NJDEP staff.
- Continued reporting of information by NJDEP to national databases as specified in this PPA.

This Performance Partnership Grant will cover three State Fiscal Years starting July 1, 2001 through June 30, 2004. Major funding for this agreement will be provided in four grant awards. The first award will be made by September 30, 2001 and consist of approximately 25% of the State's Federal Fiscal Year (FFY) 2001 allocation. The second and third awards are expected early in each calendar year and will include NJDEP's entire FFY allocation. The last award will be made by January 31, 2004 and will include approximately 75% of NJDEP's FFY2004 allocation.

Any substantial shifts in policy directions needed to address changing national, regional and state priorities, and/or to modify agreed upon strategies within the PPA will be discussed with EPA Region 2 and NJDEP management prior to the award of the PPG funding amendments. The PPA may also be modified by mutual agreement based upon changes in available PPG resources. In order to meet this schedule the following activities will be carried out:

Scheduled Date	Activity
January/February 2002	EPA provides NJDEP with final allocations for SFY 2002 funding and available information on SFY2003 funding and information on changes in national program guidance.
September 30, 2002	EPA & NJDEP complete draft SFY'02 Annual Performance Report
January/February 2003	EPA provides NJDEP with final allocations for SFY 2003 funding and available information on SFY2004 funding and information on changes in national program guidance.
September 30, 2003	EPA & NJDEP complete draft SFY'03 Annual Performance Report
January 2004	EPA and NJDEP management and program staff meet to discuss the SFY2005-2007 PPA and PPG.
January/February 2004	EPA provides NJDEP with final allocations for SFY2004 funding and available information on SFY2005 funding and information on changes in national program guidance.
April 30, 2004	NJDEP and EPA prepare Draft SFY2005-2007 PPA, and NJDEP submits SFY2005-2007 PPG application to EPA. Opportunity for public meetings and written public comment on draft SFY2004-2206 PPA will take place before May 31, 2004.
May 31, 2004	EPA provides comments on the Draft Agreement.
June 30, 2004	SFY2005-2007 PPA signed by EPA and NJDEP.
September 30, 2004	EPA & NJDEP complete draft SFY'04 Annual Performance Report. EPA anticipates awarding the SFY 2005-2007 PPG on or before this date.

- Evaluate the operational effectiveness of the reporting system.

The RBM system is comprised of quarterly reports on environmental progress and strategic accomplishments, as well as annual environmental progress briefings (for both managers and staff) on each of the six strategic goals. These environmental progress briefings are designed to highlight annual progress in achieving the subgoals and milestones, identified within the PPA, as well as to identify problem areas and/or strategies requiring specific focus within the coming year. Additionally, NJDEP's budget process has been refined such that the development of program budgets also involves ensuring alignment with the strategic planning strategies that are being implemented. NJDEP utilizes its 5 goal area-related Management Summit Groups and the NEPPS Steering Committee as the mechanisms for cross-program discussion and decision-making related to implementation of its RBM system.

Environmental Progress and Performance Reporting

One of the critical elements in the implementation of the overall NEPPS process is a state's self-evaluation of its performance. NJDEP has prepared two self-assessment documents (NJDEP, August 1995 and July 1997) which identify and report on key environmental issues and program strengths and limitations. In addition, other recent reports on environmental progress and performance include:

1999 Annual Performance Report

An *Annual Performance Report* was prepared, in 1999, as an assessment of environmental and strategic progress towards achieving goals, milestones and departmental commitments. The report consisted of Environmental as well as Strategic Progress Sections; the former reported progress on our environmental goals and milestones while the latter detailed progress on activity commitments. EPA also prepared a section, within each area, on its progress towards its commitments in the FY99-01PPA. This document also served as a close-out report for grant funding purposes for FY99. NJDEP has posted the FY99 Annual Performance Report on its NEPPS Webpage (<http://www.state.nj.us/dep/dsr/nepps.htm>).

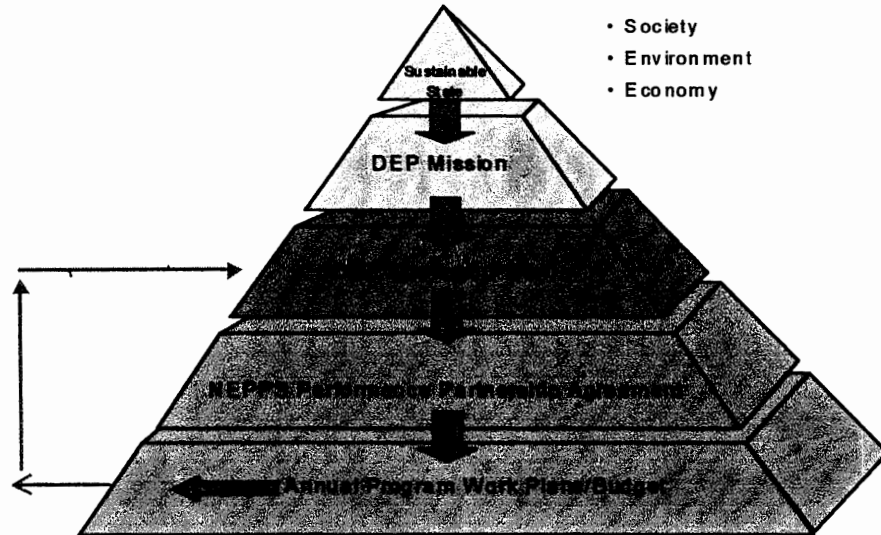
2000 Annual Performance Report

A *2000 Annual Performance Report* was published by NJDEP, in December 2000 and, like its predecessor, served as a close-out report for FY00 grant funding purposes. Unlike previous annual performance reports, this report focussed on Strategic Progress in activity commitments as well as a detailed report on Core Performance Measures. The Environmental Progress information was provided to EPA Region 2 via copies of NJDEP's 2000 Annual Environmental Progress Briefings (discussed above under "Strategic Plan and Results-Based Management") for the 6 goal areas contained within its Strategic Plan. Copies of these briefings were provided to EPA Region 2 in December 2000.

New Jersey Environmental Indicators Technical Report, 2nd edition

Figure 4

NJ's RESULTS-BASED MANAGEMENT SYSTEM:
PLANNING HIERARCHY



Jersey's overall environmental management efforts. At the top of the pyramid is New Jersey's sustainable state initiative and goals, followed by NJDEP's mission statement and Strategic Plan. The NJDEP Strategic Plan is implemented through New Jersey's participation in NEPPS and, specifically, through the PPA, which is supported by program-specific annual workplans. At each subsequent level of the hierarchy, the level of detail of the approach increases, and the implementation timeframes decrease.

Within the scope of its strategic planning efforts, NJDEP has developed and implemented a results-based management (RBM) reporting system designed to engage all department managers and staff in this strategic planning process, as well as to gauge progress in meeting the goals and milestones. The overall intent of the RBM system is to:

- Provide an understanding of the department's environmental and operational goals
- Evaluate progress towards the Strategic Plan and NEPPS PPA goals using the PPA indicators system
- Establish ownership of the six overarching strategic goals (now equivalent to the NEPPS goals)
- Provide for the timely alignment of: operational processes; continuous improvement efforts; development, revision and implementation of workplans and resource allocations (personnel and financial) to the Strategic Plan/PPA goals
- Provide regular reports between all levels of management and improve communication and coordination across programs and all NJDEP employees
- Institutionalize the goals by linking program-specific workplans and Performance Assessment Reviews of managers/staff
- Establish a system for problem identification and solution
- Maximize the effectiveness of both integrated as well as program-specific data systems

A draft of the 2nd Edition of *New Jersey's Environmental Indicators Technical Report* has been developed and provided to EPA Region 2. The first edition of this document was published in July 1998. As a principal component of NEPPS and results-based environmental management, this report addresses a number of environmental measures or indicators for the goal areas of: global climate change, pollution & release prevention, air quality/radiation, clean & plentiful water (surface, ground, & drinking water), site remediation, solid/hazardous waste, and pesticides. This Technical Report continues to lay the foundation for NJDEP's efforts to measure environmental progress through the use of environmental indicators. This document contains detailed information for those environmental indicators for which information is available at this time. The final version of this Technical Report is expected to be published in fall 2001 and will be available on NJDEP's NEPPS WebPage.

2000 State of the Environment Report

The second edition of *New Jersey's State of the Environment* report is also in final preparation. The report, entitled *New Jersey's Environment 2000*, continues to use many of the environmental indicators from both the inaugural State of the Environment report (*New Jersey's Environment 1998*) as well as the Indicators Technical Report, along with plain language to facilitate public understanding and evaluation of the state's progress toward meeting its environmental goals in the areas of air and water quality, reducing and preventing pollution and natural resources. This second edition also places additional emphasis on issues such as sustainability and personal responsibility – two themes, integrated throughout the report, which attempt to provide useful information for citizens who want to be engaged in environmental stewardship. Anticipated publication of this report is fall 2001. The final report will also be available on NJDEP's main web page.

Stakeholder Participation and Outreach Efforts

Throughout New Jersey's participation in the NEPPS process, various mechanisms to inform the public and stakeholders of NJDEP's NEPPS efforts have been pursued. NJDEP management and staff held numerous discussions on New Jersey's NEPPS efforts with stakeholder groups such as: advisory committees to NJDEP (NJDEP's Green & Gold Advisory Task Force, New Jersey Drinking Water Quality Institute, New Jersey Clean Air Council, etc.); state legislative committees; local and municipal officials (League of Municipalities Convention); county officials (New Jersey Association of Counties, CEHA Annual Grant Conference); national meetings/conferences (ECOS/EPA All-States Meeting, Performance Measures Institute, National Meeting of Environmental Management Practitioners, etc.). Internal presentations and workshops have also been made to management and staff at both agencies to provide information and receive input on New Jersey's participation in NEPPS. Additionally, NJDEP and EPA Region 2 managers have held several joint, one-day meetings, the latest in May 2000, to continue to familiarize managers in both agencies with outcome-based environmental management and its relationship to a partnership implementation of NEPPS in New Jersey.

Articles have been prepared for various NJDEP publications (e.g., *NJ Discharger*, *H2Observer*), describing the different stages of participation (NEPPS in general, Self-Assessment development, Agreement development, etc.) as well as next steps for New Jersey. Additionally, indicators developed through the New Jersey NEPPS process have been used in other New Jersey State agencies' strategic planning and/or communications efforts including the Sustainable State Report – *Living with the Future in Mind, 2000* (The Interagency Sustainability Workgroup & NJ Future), *The New Jersey State Development and Redevelopment Plan* (NJ State Planning Commission), *Healthy NJ 2010* (NJ Department of Health and Senior Services), and the *FY2000, 2001 and 2002 Budget in Brief* (Office of Management and Budget).

NEPPS web sites have also been established by both NJDEP (<http://www.state.nj.us/dep/dsr/nepps.htm>) and EPA Region 2 (<http://www.epa.gov/region02>) in order to keep stakeholders informed of NEPPS developments in New Jersey. On those web sites, stakeholders can find general information regarding NEPPS, copies of various New Jersey NEPPS or environmental indicator-related documents, information on any upcoming NEPPS stakeholder outreach events, as well as links to other NEPPS or environmental indicator-related web sites.

As New Jersey recognizes the importance of continued stakeholder involvement in the refinement of its environmental results-based management system (including the development and reporting of various environmental indicators), additional stakeholder and outreach-related activities are anticipated subsequent to the signing of this PPA as well as publication of the *Environmental Indicators Technical Report 2nd edition* and the 2000 State of the Environment report (*New Jersey's Environment 2000*). It is expected that the NJ Center for Environmental Indicators (discussed later under the "Environmental Indicators" portion of this section) will assist NJDEP with an environmental goals and indicators stakeholder event in 2002.

Environmental Goals, Indicators, Program Commitments and Core Performance Measures (CPMs)

A fundamental premise of NEPPS is to encourage both state and federal program managers to focus on management for environmental results. As such, NEPPS calls for explicit articulation of environmental goals, and the development and use of environmental indicators to measure progress toward these goals. This shift in performance assessment emphasis from program activity measures to environmental quality measures is a key element of many current national and state initiatives to reinvent environmental protection. Enhanced understanding of environmental conditions is designed to lead to improved management strategies for the protection of public health and the environment. This Agreement contains the following three major elements: 1) goals, 2) indicators, and 3) activity commitments. The general structure of this Agreement is shown below:

1. Environmental Goals

- Goal
 - Subgoals
 - Milestones/Objectives
2. **Environmental Indicators**
- Cause-Condition-Response Indicators
3. **Activity Commitments**
- Data Collection and Assessment
 - Strategic Planning and Strategy Development
 - Strategy Implementation
 - Strategy Evaluation

Both environmental indicators and progress in environmentally important program activities can be viewed as performance measures.

Environmental Goals

This Agreement articulates environmental goals and milestones for New Jersey in the areas of Clean Air (including global climate change), Clean & Plentiful Water, Land and Natural Resources, Safe & Healthy Communities (site remediation, solid/hazardous waste management, pesticides, radiation and mercury) and Open and Effective Government. The goals and milestones are considered to be ambitious, yet reasonably achievable. In developing these goals, a number of resources were reviewed including, the national goals embodied in *Proposed Environmental Goals for America and Milestones for 2005* (USEPA, 1995), the *EPA Strategic Plan (2000)*, the *NJDEP Strategic Plan (1998)*, as well as state and federal statutory and regulatory requirements. Additionally, through the stakeholder input process, the goals and milestones were designed to be as reflective as possible of societal values regarding environmental resources.

In order to increase the utility of the goals for management purposes, they are broken down into the following three levels for each of the resource areas: goal, subgoals and specific milestones/objectives. The goals are long-range general goals for the given resource (e.g., air quality) in its entirety. The goal statements developed during this process are listed below:

Goals in this Agreement¹

Clean Air

Ensure a high quality of life for the residents of New Jersey by preserving, sustaining, protecting, and enhancing the air environment. Air quality across the state should be healthful for all its citizens and of sufficient purity not to degrade the quality of life or cause undue economic loss.

Clean & Plentiful Water

New Jersey's rivers, lakes and coastal waters will be fishable, swimmable and support healthy

¹ These long-term goals are presented in order of the sections within the remainder of this PPA document. For further information on subgoals, specific milestones/objectives, indicators & activity commitments associated with these overall goals, refer to the appropriate tables within the PPA.

ecosystems. Surface and ground water will be clean sources of water. Every person in New Jersey will have safe drinking water. Adequate quantities of clean surface water will be available for all needed uses.

Land and Natural Resources

Maintain, enhance and restore functioning ecosystems and sustainable communities.

Safe and Healthy Communities

New Jersey communities will be free from unacceptable human health & ecological risks through the prevention of releases of harmful substances/agents to environmental media and through the safe management of harmful substances/agents and harmful incidents/occurrences, including those involving floods, fires and storms.

Open and Effective Government

The Department will fulfill its mission & achieve its vision & goals through the involvement of citizens and stakeholders as critical partners & through its ongoing commitment to quality principles and methods as a means to achieve continuous improvement in its operations.

The subgoals break down the overall goal into manageable elements (e.g., criteria air pollutants) identified as key environmental issue areas. Milestones/objectives are provided for each subgoal that, to the extent possible, quantify desired environmental outcomes in a given time frame (e.g., statewide attainment of the ozone ambient air quality standard by 2007). Milestones are provided when it is feasible to develop quantitative targets for a given timeframe; objectives are provided that reflect a directional goal statement (e.g., increase, decrease, maintain) where targets cannot or have not been established yet. To the extent possible, current New Jersey environmental quality data were reviewed to assess baseline conditions to project reasonably achievable milestones. It is the intent of NJDEP to advance objectives into milestones as feasible and appropriate. The milestones/objectives in the PPA represent the goals associated with the greatest level of specificity and, therefore, were chosen to serve as the basis for the environmental indicator framework used in this Agreement. Therefore, environmental indicators were developed to measure progress toward achieving the identified milestones/objectives.

The environmental goals and milestones/objectives in this Agreement are not intended to be viewed as deliverables for which accountability is expected for the purpose of receipt of grant dollars. These goals are useful environmental targets to provide focus for program activities and to encourage evaluations of the linkages between program activities and achievement of specific environmental results. It is understood that environmental outcomes are influenced by many factors outside of the control of specific environmental agencies (e.g., natural conditions, unregulated individual activities, widespread regional influences). Therefore, even when environmental programs are well conducted, goals may not be obtainable in the desired time frames. Sound program performance should include progress toward environmental goals, or at a minimum, knowledge of the trends, a well founded assessment of the factors that are limiting progress, and a consideration of alternate or additional strategies where necessary.

Environmental Indicators

Environmental indicators for each milestone/objective were selected. This selection process was initiated by an extensive review of a number of environmental indicator resource materials available in New Jersey and from EPA.

These resources include:

- NJDEP, *Environmental Indicators Technical Report*, June 1998 and draft *Environmental Indicators Technical Report, 2nd edition*
- EPA's FY98, FY99 (Air) and FY00 (Water) *Core Performance Measures*
- NJDEP, *New Jersey's Environment 1998* and draft *New Jersey's Environment 2000*
- NJDEP Environmental Progress Briefings - Clean Air, Clean & Plentiful Water, Safe & Healthy Communities, Healthy Ecosystems, Abundant Open Space, and Open & Effective Government, 2000
- NJDHSS, draft *Healthy New Jersey 2010*, January 2001
- *The New Jersey State Development and Redevelopment Plan*, March 2001
- *Living with the Future in Mind, 2000, Goals and Indicators for New Jersey's Quality of Life*, December 2000
- National Air and Radiation Indicators Project, Florida Center for Public Management's *National Air and Radiation Indicators Manual*, Final Review Draft, March 1997
- EPA, Office of Water, *National Indicators for Water*, June 1996
- State Environmental Goals and Indicators Project, Florida Center for Public Management's *Prospective Indicators for State Use in Performance Agreements*, August 15, 1995 (revised August 22, 1995)
- EPA's *Draft Proposed Environmental Goals for America and Milestones for 2005* document
- NJDEP, Division of Science, Research & Technology, Environmental Indicators Database, 1995

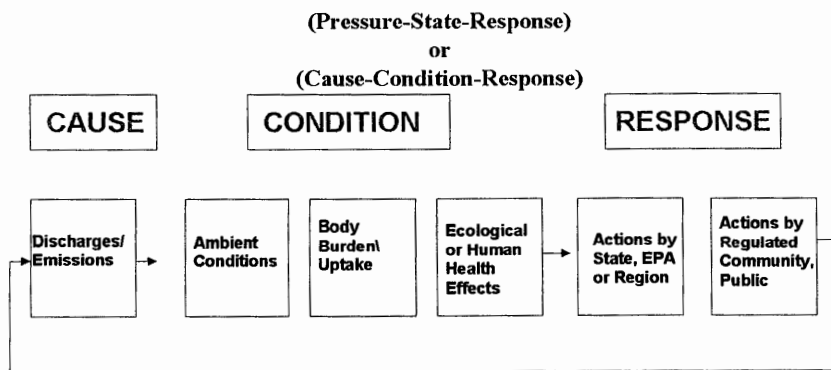
Evaluation and selection of New Jersey's environmental indicators is a continuing process. Initial descriptions of the selection of specific indicators may be found in the August 1995 New Jersey Self-Assessment, the March 1996 New Jersey Agreement, the July 1996 stakeholders workshop report - *Management for Environmental Results in New Jersey, A*

Report on the April 30, 1996 Workshop on the National Environmental Performance Partnership System, the SFY97 New Jersey Self-Assessment, the January 1997 New Jersey Agreement, the October 1997 Interim Progress Report, the draft Annual Performance Report, and the September 1998 stakeholders workshop report - *Implementing Results-Based Management in New Jersey: NEPPS and Strategic Planning, A Report on the June 25, 1998 Workshop*. The environmental indicators contained in this PPA were selected by the NJDEP work groups and the NEPPS Steering Committee, with input from appropriate NJDEP managers and stakeholders. NJDEP is also receiving academic support from NJCEI in the evaluation and selection of indicators for inclusion in New Jersey's system.

Indicators that were chosen for reporting in this Agreement are those for which reliable data are currently available. In cases where the extent or quality of the data cannot currently support reporting, the indicator has been identified in the Agreement either for the purpose of a short-term evaluation of the feasibility of developing the indicator, or for potential future consideration. The Agreement clearly distinguishes those indicators with reporting commitments during the period of the PPA from those that are offered for future evaluation. Those indicators to be reported during the Agreement are labeled as either "CPM" (Core Performance Measure) or "Other Committed" indicators in the Goals/Indicators tables.

Figure 5

NJ INDICATORS MODEL



Where possible, a suite of indicators associated with each milestone/objective was chosen following the Cause-Condition-Response model to classify the indicators (see Figure 5). In this figure, Cause indicators represent stresses on the environment (e.g., emissions) which are presumed to be related to the conditions (note: causality is not necessarily known). Condition indicators represent ambient conditions, including human health or ecological effects, and

Response indicators represent societal responses, including those activities conducted by regulatory agencies, the regulated community, and the public (EPA, *Draft Interim 1995 Indicators Report*, April 1995). This framework implies a feedback loop where the societal responses reduce the environmental pressures and result in improvements in the state of the environment. This model has been used by international organizations, EPA, the State Environmental Goals and Indicators Project, and others, as a way of categorizing indicators which fosters an understanding of the nature of the information provided by a

given indicator, as well as the relationships among the indicators. This model can also be used to identify gaps in the types of indicators available for a given environmental goal.

Application of this model for this Agreement was found to be very helpful in framing out a suite of indicators for each milestone, and in identifying key areas where additional efforts are needed to develop indicators in the future. The indicators contained in the Environmental Goals/Indicators tables in the Agreement are organized on the basis of the Cause-Condition-Response model.

This Agreement includes commitments to report on the status of numerous indicators, including some response indicators which may relate to measures of certain strategic activities. For the environmental indicators of the Cause and Condition types, it is acknowledged that a continued significant commitment of resources is needed to collect, manage, assess, integrate, and present data in new, and in many cases, more environmentally meaningful ways than has previously been done. This commitment should prove beneficial as the NEPPS process proceeds over the years, and the increased availability of environmental quality information through the use of indicators positively influences environmental program directions. Sound program performance is expected to affect the achievement of many of the desired environmental outcomes. NJDEP will also be emphasizing evaluations of baseline conditions with regards to indicator development, where uncertainty regarding these conditions currently exists. The relationship between program performance and indicators is further discussed in the Program Commitments section of this Agreement.

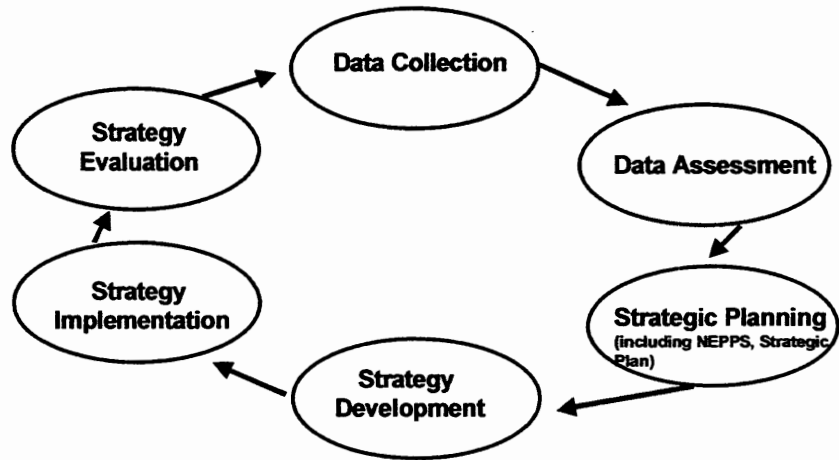
In an effort to assist in the development of environmental indicators, in April 1998, the New Jersey Center for Environmental Indicators (NJCEI) was established. The Center is a partnership between NJDEP, Rutgers University and the Environmental and Occupational Health Sciences Institute (Rutgers/Univ. of Medicine and Dentistry of New Jersey). The main goal of the Center is to further the development and utilization of sound environmental indicators in New Jersey. The Center also works with NJDEP to develop outreach, education and information dissemination mechanisms to improve public understanding and dialogue regarding environmental indicators. Additional information on New Jersey's environmental indicator development efforts may be found in the Cross-Cutting Issues section of this document.

Activity Commitments

Measures of societal responses are an important part of the Cause-Condition-Response model, including the responses of environmental agencies. As noted in the indicator discussion above, sound program performance is expected to affect the achievement of many of the desired environmental outcomes. Program commitments are environmental agency strategies and activities designed to achieve these outcomes and to protect gains already achieved (e.g., permitting, enforcement and other prevention programs). These activities are linked to the goals they are intended to further and the indicators designed to measure progress towards the goals in the Goals/Indicators/Activity Commitment tables

in this Agreement. These tables include the activities NJDEP and EPA plan to undertake over the life of this Agreement, how the accomplishment of the activities will be reported, which agency is responsible for their accomplishment and the source(s) of funding for the activities. These activities, unless otherwise specified as annual activities, are expected to span the full time period of this Agreement.

Figure 6
CORE ACTIVITIES IN ENVIRONMENTAL PROTECTION PROCESS



Core environmental agency activities are categorized as shown in Figure 6. In order to cover this full cycle of environmental protection processes, program commitments in the PPA tables have been broken down into the following four areas: 1) data collection and assessment, 2) strategic planning and strategy development, 3) strategy implementation, and 4) strategy evaluation.

Core Performance Measures

There are numerous measures of program and environmental performance contained throughout this Agreement. Under NEPPS, through their Joint Statement on Measuring Environmental Progress (1997), EPA and ECOS have developed a limited set of national Core Performance Measures (CPMs) for each major EPA program office. These measures are intended to be reflective of major program outputs and outcomes, and include a number of key environmental indicators. The CPMs were intended to provide the minimum level of reporting required by EPA to conduct meaningful evaluations of program performance, thereby significantly reducing States' reporting to EPA. Efforts to achieve burden reduction are being pursued by ECOS and EPA, though the emphasis has been on use of CPMs. Consistent with the NEPPS philosophy, which focuses on environmental outcomes, EPA did not associate specific required performance levels with each core measure.

The Core Performance Measures used in this PPA are: FY99 CPMs for Air/Radiation; FY2000 CPMs for Water; and the FY98 CPMs for Pollution Prevention/Pesticides/Toxics, Solid Waste/Emergency Response and Compliance & Enforcement Accountability

Measures. NJDEP and EPA Region 2 considered these CPMs in the negotiation of this FY02-04 PPA and the development of New Jersey's complete system of goals, indicators and program commitments was informed by these core measures. Appendix A contains a table of all Core Performance Measures and Associated Reporting Requirements which clearly identifies those measures that NJDEP and EPA Region 2 believe to be appropriate for application to New Jersey, as well as any necessary deviation from the core measures or reporting requirements negotiated by EPA and ECOS (these deviations are referred to, in this document, as "Negotiated CPMs"). Revisions were necessary when data or assessments were not available in New Jersey, or when reporting clarity was necessary. As these core measures and reporting requirements have been integrated within the appropriate goal/indicator or activity commitment tables, Appendix A also provides the location of each core measure or reporting requirement that NJDEP and EPA Region 2 have committed to report. Any further progress at the national level in refining CPMs will be considered by NJDEP and EPA Region 2 in any modifications of this PPA.

II. SCOPE OF AGREEMENT AND ACCOUNTABILITY

Background

Since EPA was formed in 1970, State capacity and responsibility for implementing environmental and public health protection programs has grown steadily. Meanwhile, environmental problems and their solutions have become more complex. In light of these changes, State and EPA leaders recognized that continued environmental progress could be best achieved if EPA and States worked together more effectively--as partners. In 1995, they agreed to develop and implement the National Environmental Performance Partnership System (NEPPS).

As part of this effort, EPA and the States worked together to modify the EPA grant regulations in 40CFR Part 35. The modified rule is intended to promote State-EPA collaboration; provide opportunities for innovation; and reduce paperwork while ensuring sound fiscal management and accountability for environmental performance in a manner consistent with NEPPS. For example, EPA hopes to foster joint planning and priority-setting by explicitly requiring that State priorities and needs be considered, along with national and regional guidance, in negotiating grant work plans. Under this rule, a State can choose to organize its grant work plans in accordance with environmental goals and objectives or in other new ways rather than using categories predefined by EPA. However, EPA must be able to link the grant work plan to EPA's Government Performance and Results Act (GPRA) Goal and Objective Architecture. EPA and NJDEP believe that this PPA furthers the objectives represented by NEPPS and demonstrates significant progress in our joint planning effort.

Programs Covered Under this Agreement

There are numerous federal programs currently delegated to NJDEP. The parties will work together whenever there are major changes to relevant federal statutes or regulations to ensure the delegated state program remains equivalent to the federal program.

For SFY02 through SFY04, the areas to be covered under this Agreement include air quality (including global climate change), water quality, land and natural resources, safe and healthy communities (site remediation, solid/hazardous waste management, pesticides, pollution and release prevention, radiation, and mercury), and open and effective government. This Agreement also covers compliance and enforcement, innovative environmental technologies, and sustainability functions. A list of these programs is provided in Table 1. Table 1 also provides information on the subset of programs which are incorporated into the consolidated federal Performance Partnership Grant. It should be noted that this Agreement strives to present a holistic management approach across the various environmental areas. Therefore, state initiatives are included along with federally funded programs.

**Table 1
NJDEP Programs Covered Under FY2002-2004 PPA**

(* Programs Covered At Least in Part by FY2002-2004 PPG, ** PPG Match Programs – Water Programs Only)

All Goal Areas

- PPA/PPG Development and Coordination*
- State Indicator Development, Coordination and Research*

Clean Air

- **Air Quality**
 - Air Quality Management*
 - Air Quality Permitting*
 - Air & Environmental Quality Compliance and Enforcement*
 - Global Climate Change
 - Air Deposition Research*
 - Small Business Assistance
 - Local Environmental Management

Clean and Plentiful Water

- **Water Quality/Quantity**
 - Division of Water Quality
 - Municipal/Industrial Permitting*,**
 - Municipal/Industrial Stormwater Permitting*,**
 - Ground Water Facilities/UIC Permitting*,**
 - Industrial Pretreatment*,**
 - Residuals Management*,**
 - State Revolving Fund (Clean Water)
 - State Loan Programs
 - Treatment Works Approvals
 - Sewer Ban/Capacity Assurance
 - Combined Sewer Overflows/Sanitary Sewer Overflows**
 - Manpower Development
 - Environmental Planning and Science
 - Research, Technical Support, Demonstration Projects*
 - Ambient Monitoring (Stream and Sediments, Estuarine Water Quality Monitoring, Shellfish Sanitation, Cooperative Coastal Monitoring (coastal bathing beaches), and Ground Water Quality)*
 - Clean Lakes/Lakes Bond Act
 - National Shellfish Sanitation Program
 - Watershed Management Planning*
 - Water Quality Management Planning*
 - Water Quality Assessment (305b Report, Impaired Waterbodies List, Watershed Assessment:)*
 - Standard Setting
 - Nonpoint Source Management*
 - Coastal Zone Management
 - Estuary Management Programs
 - New Jersey Geological Survey Programs
 - Water Supply Planning
 - Clean Shores
 - Toxics in Fish Tissue Monitoring*
 - Water Compliance and Enforcement
 - Surface Water*,**
 - Ground Water/UIC**
 - Compliance Assistance**
 - Water Supply Administration
 - Safe Drinking Water Program*
 - Source Water Assessment Program
 - Drinking Water State Revolving Fund (DWSRF) and State Loan Program

- Private Well Testing Program
- Water Allocation
- Well Permitting

Land and Natural Resources

- Fish and Wildlife
 - Marine Fisheries
 - Freshwater Fisheries*
 - Shellfisheries
 - Endangered and Nongame Species
 - Wildlife Management
- Parks and Forestry
 - Natural Lands Management
 - State Forestry Service
- Green Acres
- Land Use Regulation
 - Wetlands

Safe and Healthy Communities

- **Compliance and Enforcement**
 - County Environmental Health Act (CEHA) Program*
(Compliance & Enforcement programs are integrated into other goal areas)
- **Pesticide Control**
 - Pesticide Compliance Assurance*
 - Worker Protection*
 - Pesticide Evaluation and Monitoring
 - Pesticides and Groundwater*
 - Integrated Pest Management
 - PCP-FDA Cooperative Food Sampling
 - Pesticide Laboratory Program
 - Pesticide Applicator Certification*
 - Education and Outreach
 - Aquatic Permits
 - Mosquito/Fly Pest Control
 - Data Management
 - New Jersey Food Monitoring & Evaluation
- **Pollution and Release Prevention**
 - Energy Project
 - Toxic Catastrophe Prevention
 - Right-to-Know
 - Discharge Prevention, Containment & Countermeasures
 - Pollution Prevention Planning
- **Radiation**
 - Radiological Assessment
 - Radioactive Materials – Licensing & Inspection
 - Non-ionizing Radiation
 - X-ray Inspection & Quality Assurance
 - Mammography
 - Technologist Licensure
 - Emergency Planning
 - Environmental Monitoring
 - Nuclear Engineering
 - Radon*
- **Site Remediation**
 - Underground Storage Tanks*
 - RCRA Corrective Action*
 - CERCLA (Superfund)
 - ISRA (Industrial Site Recovery Act)
 - State Priority Sites (Administrative Consent Orders pursuant to the New Jersey Spill Control Act, the Solid Waste Management Act, and the Water Pollution Control Act)
 - Voluntary Cleanups (Memorandum of Agreement pursuant to the laws cited above)

- State Publicly Funded Sites (remediations initiated by DEP when a responsible party is non-existent, refuses to or is unable to conduct a cleanup)
- Indicator Data Development
- General Program Development
- Brownfields Sites
- Unknown Source Sites
- Landfills
- Hazardous Waste Research
- Subsurface Investigations
- Geology and Topography
- **Solid/Hazardous Waste**
 - Hazardous Waste Regulation*
 - Hazardous Waste Enforcement*
 - Solid Waste Enforcement
 - Solid Waste Regulation
 - Recycling
- **Mercury**
 - Mercury Task Force*
 - Mercury Control Programs*
 - Mercury Research*

Open and Effective Government

- **Leadership**
 - Environmental Equity
 - Partnerships
 - Innovative Technology and Market Development
- **Strategic Planning**
 - State Development and Redevelopment Plan Implementation
 - Sustainability
 - Results-Based Management System
 - New Jersey Comparative Risk Project
- **Constituent Focus**
 - Constituent Needs and Satisfaction
- **Information and Analysis**
 - New Jersey Environmental Management System (NJEMS/GIS/ENDEX/I-MAPNJ)*
- **Human Resources Focus**
 - Employee Safety, Training and Development
- **Process Management**
 - Process Assessment and Improvement
 - Quality Assurance
 - Lab Certification*
- **Organizational Results**
 - Operational Performance Measures

Grant Work Plan

This Agreement is the Work Plan for the Performance Partnership Grant (PPG) and may serve as the work plan for other EPA grant funding as agreed to by EPA and NJDEP. This Agreement covers State Fiscal Year 2002 through 2004 (July 1, 2001 to June 30, 2004). It is the operative document for performance evaluation for this time period for those areas within its scope.

With this Agreement, program-specific and grant-specific barriers are reduced, which allows for a more integrated approach to management for environmental results. In order to develop resource-based environmental goals and indicators, NJDEP included activities and measures that are state initiated. NJDEP intends that these activities and associated indicators remain outside the scope of federal oversight. The Activity Commitment Tables indicate the funding source(s) for each of the activities.

Performance Partnership Grant (PPG)

A PPG is a multi-program grant designed to provide states with more flexibility in addressing their highest environmental priorities across all media to achieve improved environmental performance. NJDEP has received PPGs from EPA since State Fiscal Year (SFY) 1997. The current New Jersey PPG combines 11 EPA grant programs that had previously been awarded as individual categorical grants. The attached table (Table 2) details the Federal and State match resources that are expected to be available in the SFY2002-2004 PPG and from other EPA sources to support the activities necessary to achieve the environmental goals. The PPG will be amended to include funding when it becomes available through Federal Appropriations Acts. For SFY2002, the PPG involves anticipated total base funding of approximately \$28 million. The table includes a breakdown or listing of the workyears associated with the EPA funding, along with NJDEP's matching contribution. As identified in the table, NJDEP has negotiated seven PPG Work Plan Components generally oriented toward our system of long term goals in the PPA. The Multi-Media Work Plan Component affords the NJDEP the opportunity to address environmental areas of concern that are cross-media in the PPG. Administrative, managerial, and clerical activities will be performed in conjunction with the activities included in the subsequent tables for the PPG Programs as a part of the PPG.

Although most of the major EPA grant programs are included in the PPG, there are several that will still be funded under the specific grant programs, such as: Superfund, Underground Storage Tank (UST) Trust, Clean Water State Revolving Fund (CWSRF), Drinking Water State Revolving Fund (DWSRF), Water Quality Management (604B), PM 2.5 Ambient Air Monitoring Network, Wetlands, and Pesticide Food Quality Protection. Anticipated funding for these grants over the life of the PPA is included in Table 2. In addition to the EPA money, NJDEP receives federal funding from other agencies, such as: National Oceanic and Atmospheric Administration, National Park Service, Forest Service, U.S. Fish and Wildlife Service, U.S. Geological Survey, Federal Highway Administration, Food and Drug Administration, Federal Emergency

Table 2
ESTIMATED WORKYEARS AND FUNDING
SFY 2002-2004 Performance Partnership Grant (PPG) – 3 year PPG

Work Plan Component	Federally Funded Workyears	State Match Workyears	EPA Funding	State Match Funding	Total Funding
Clean Air					
1. Air Pollution	133.6	94.1	\$ 13,652,120	\$ 9,618,081	\$ 23,270,201
Clean & Plentiful Water					
2. Water	209.5	96.3	21,409,958	9,837,303	31,247,261
3. Safe Drinking Water	55.0	18.3	5,621,600	1,873,869	7,495,469
Safe & Healthy Communities					
4. Site Remediation/Waste	112.1	37.4	11,453,496	3,817,833	15,271,329
5. Radon	11.5	11.5	1,170,000	1,170,000	2,340,000
6. Pesticide Control	13.8	3.9	1,413,000	402,537	1,815,537
Multi-Media¹					
7. Multi-Media	14.9	-	1,520,000	-	1,520,000
TOTAL PPG	550.4	261.5	\$ 56,240,174	\$ 26,719,623	\$ 82,959,797

NOTE: The SFY 2002 - 2004 funding levels have not been finalized as of this printing.

Estimated Non-PPG USEPA Grant Programs – 3 Years²

Clean Water State Revolving Fund (CWSRF)	\$ 165,000,000
Drinking Water State Revolving Fund (DWSRF)	54,000,000
Superfund	12,000,000
Water Quality Management (604b)	1,647,000
Leaking Underground Storage Tank (LUST) Trust	3,300,000
PM2.5 Ambient Air Monitoring Network	1,081,000
Wetlands	300,000
Pesticide Food Quality Protection	210,000
TOTAL NON-PPG	\$ 237,538,000

¹ Funding for this category covers aspects of all 6 strategic goal areas (Clean Air, Clean & Plentiful Water, Safe & Healthy Communities, Healthy Ecosystems, Abundant Open Space, & Open & Effective Government)

² Many of the activity commitments for these Non-PPG USEPA Grant Programs are found within the appropriate goal areas.

Management Agency, Department of Defense, and Department of Energy. These programs generally have their own individual work plans and funding for the programs is not reflected in Table 2. However, many of the activities undertaken under these grant programs are included in the Activity Commitment Tables in summary form, so that the Agreement more comprehensively reflects these environmental activities in New Jersey.

Fiscal Accountability

NJDEP has a system in place to adequately account for salary and non-salary expenditures for this Agreement. The New Jersey Comprehensive Financial System (NJCFS), the statewide accounting system, permits the use of a job number and an activity code for all financial transactions. NJDEP utilizes the job number to identify either the grant, project, site or program for which costs are being incurred. The activity code identifies the function or task being performed on behalf of the coded job number. NJDEP also maintains its own detailed Cost Accounting and Timesheet System that allocates employee salaries on the basis of Bi-weekly Time Reports which are required to be submitted by each employee. The employee codes the Time Report to the appropriate job numbers and activity codes. After employee certification of the Time Report, the immediate supervisor also certifies as to the accuracy of the time distribution. After electronic entry of the Time Reports, the cost accounting data contained in the system is reconciled to the Department of Treasury Centralized Payroll System. This occurs through a process whereby the salary payments made by Treasury are allocated within NJDEP's Cost Accounting and Timesheet System to the job numbers and activity codes recorded on the Bi-weekly Employee Time Reports.

Non-salary records are loaded into the NJDEP Data Warehouse from a Department of Treasury computer extract file of NJCFS non-salary transactions for NJDEP. The file contains information including: the account number, job number, and activity code information coded on the NJCFS accounting and procurement documents. Non-salary data by account number, job number and activity code information are also available through ad hoc NJCFS FOCUS reports.

NJDEP utilizes the Cost Accounting and Timesheet System, the Data Warehouse, and the New Jersey Comprehensive Financial System to account for all programs and federal grants awarded to NJDEP. Therefore, NJDEP attests that the capability exists to track program expenditures by grant.

Program Continuity

No single document exists that completely describes all of the goals, objectives and activities of NJDEP and EPA, including this document. The environmental challenges in the State of New Jersey have been the subject of many studies and many management plans, assessments and regulatory efforts. Those previous efforts are a critical component of our present effort. Due to their volume, they could not be directly included in this agreement. Examples of these include, but are not limited to: the Comprehensive Conservation Management Plan (CCMP) for the NY/NJ Harbor Estuary

and the Delaware Estuary Programs, the Workplan for the Barnegat Bay Estuary Program, CERCLA Cooperative Agreements and State Enforcement Agreements. The work plans, objectives, tasks and reporting requirements which are part of these documents remain in place unless specifically superseded by this Agreement or subsequent amendments to this Agreement.

Joint Review

Consistent with the NEPPS philosophy, EPA Region 2 and NJDEP agree that the program review and oversight process is changing significantly. To plan strategically and budget for results, managers need information on program performance and costs. We have addressed above the issue of costs and fiscal accountability. We have in place and are committed to maintaining systems for recording our accomplishments. However, EPA Region 2 and NJDEP see a need for improving our ability to measure the impacts that our accomplishments have on the environmental results that are our primary deliverable. This will result in a lesser emphasis on case-by-case review of New Jersey's activities conducted under federally delegated programs and an increased focus on environmental results. In order to enhance our ability to understand the impact of our accomplishments on environmental results, EPA Region 2 and NJDEP are committed to reforming the current federal oversight process, for federally supported state programs, to a joint review process. This joint review process is grounded in an enhanced understanding of environmental conditions which is designed to lead to continuous improvements in management strategies for the protection of the environment.

NJDEP and EPA Region 2 foresee that the joint review during this PPA will have two components: evaluation of current oversight and program review practices, and the joint program review process. A discussion of each of these components is provided below.

Evaluation of Current Oversight and Program Review Practices

As a result of past efforts to evaluate program review practices, there is a clearer recognition of the extent to which numerous documents and practices (e.g., statutes, regulations, delegation agreements, Memorandums of Understanding, etc.) that have been developed over time influence the nature of the NJDEP - EPA Region 2 relationship. There is continued agreement that all of these should be reviewed, and, where appropriate, revised as necessary, to ensure that we improve our ability to measure the environmental results of our accomplishments. During this PPA, EPA Region 2 and NJDEP agree to continue efforts to: identify and review relevant program delegation agreements, evaluate the components of general federal grant oversight requirements (e.g., part 35 of the federal grant regulations), develop methodology for exploring the relationship between selected indicators and agency responses, and to continue developing and evaluating the appropriateness of environmental indicators identified in the PPA. Progress towards our goal of improving our ability to measure the environmental results of our accomplishments will be evaluated during the periodic meetings of NJDEP and EPA Region 2 program staff described below.

Joint Program Review

As the joint program review process evolves, EPA Region 2 and NJDEP agree that it is mutually beneficial to outline the framework and general expectations of a joint review. Implicit in such a joint review, evaluations will be based on both self-examinations by each agency, as well as reviews by EPA. While receipt of EPA funds requires a level of programmatic review, this review will rely to a greater extent on an environmentally-driven assessment of the progress towards the mutually agreed upon goals/objectives and strategies contained within the PPA. These strategies include both NJDEP commitments and EPA Region 2 commitments.

It is recognized that non-delegated, State-funded programs, in addition to EPA-funded programs are included in this integrated environmental management Agreement. The joint review process described here is designed for those programs which are delegated or funded by EPA. NJDEP will also be using similar principles of managing for environmental results in evaluating its programs which are not delegated or funded by EPA.

The PPA has been negotiated for the time period through June 30, 2004 and the Performance Partnership Grant (PPG) will coincide with this timeframe, with initial funding for the period from July 1, 2001 - June 30, 2004. The process for the joint review will include program staff discussions regarding progress toward achieving PPA goals and major program commitments. The review of progress towards environmental goals, as measured by environmental indicators, will encompass the following, as appropriate to the goals and circumstances in each program area: review of progress towards environmental goals through the indicators in the PPA and the core performance measures, review of accomplishment of other major commitments; assessment of the impact of accomplishments on indicators; assessment of the effectiveness of the program; and proposed revisions to the strategies based on the foregoing assessment.

During the period of this Agreement the joint review process will consist of a number of components:

- Annual Performance Reports - At the end of each state fiscal year, NJDEP and EPA Region 2 will develop an Annual Performance Report which shall provide information on:
 1. Environmental progress towards goals as demonstrated through the environmental indicators contained in the Agreement (Note: this information may alternatively be provided by NJDEP's Environmental Progress Briefings, if linked to NEPPS goals and subgoals)
 2. Strategic progress on accomplishing each agency's major activity commitments. A concise description of the limitations of the strategies for areas where environmental progress is limited will be included, as well as any recommended modifications in overall strategic approaches in these areas.
 3. Core performance measures (CPMs) - emphasis will be placed on reporting of these measures as agreed to in the PPA. These measures may be reflected

under environmental or strategic progress (above) depending on whether the particular CPM is an environmental indicator, an agency outcome or agency output.

Additional information relating to environmental progress towards goals will be provided via copies of NJDEP's Environmental Progress Briefings. A draft report incorporating elements for items 2&3 will be prepared by both agencies by September 30 of each year under the Agreement.

- NJDEP will continue to build upon its existing Environmental Indicators Technical Reports (1998 and 2001 draft). These reports provide the technical basis, data sources and data limitations for the environmental indicators used in the New Jersey NEPPS system. Key indicators can be selected from these reports for a variety of uses after tailoring their presentation for the selected audience. New and/or updated environmental indicators will be added to the electronic library of New Jersey environmental indicators which is currently being developed. Once complete, the library will be accessible via NJDEP's NEPPS webpage.
- New Jersey State of the Environment Report. This NJDEP report provides a general assessment of the status and trends of the quality of New Jersey's environment for a public audience. The first State of the Environment Report was published by New Jersey in 1999. This report will be updated for its second publication in 2001. A third publication is expected to be published in 2003.
- NJDEP Annual Report to the Legislature, provided on a calendar year-end basis for the years in which this report is produced.
- Annual upper management review meetings of progress, using information in the draft Annual Performance Reports that will be completed by September 30 of each year this agreement is in effect. The annual meeting will be scheduled in the fall of each year.
- Periodic (at least biannual) communications between NJDEP and EPA Region 2 program staff to discuss progress under this PPA. Suggested timeframes for these meetings/teleconferences are February and June of each year, however existing meeting schedules may be maintained.
- Environmental Progress Briefing Presentations. In addition to providing copies of annual Environmental Progress Briefings, EPA shall be invited to attend versions of these briefings presented for NJDEP staff. EPA shall be notified of these presentations when notification is issued to NJDEP staff.
- Continued reporting of information by NJDEP to national databases as specified in this PPA.

This Performance Partnership Grant will cover three State Fiscal Years starting July 1, 2001 through June 30, 2004. Major funding for this agreement will be provided in four grant awards. The first award will be made by September 30, 2001 and consist of approximately 25% of the State's Federal Fiscal Year (FFY) 2001 allocation. The second and third awards are expected early in each calendar year and will include NJDEP's entire FFY allocation. The last award will be made by January 31, 2004 and will include approximately 75% of NJDEP's FFY2004 allocation.

Any substantial shifts in policy directions needed to address changing national, regional and state priorities, and/or to modify agreed upon strategies within the PPA will be discussed with EPA Region 2 and NJDEP management prior to the award of the PPG funding amendments. The PPA may also be modified by mutual agreement based upon changes in available PPG resources. In order to meet this schedule the following activities will be carried out:

Scheduled Date	Activity
January/February 2002	EPA provides NJDEP with final allocations for SFY 2002 funding and available information on SFY2003 funding and information on changes in national program guidance.
September 30, 2002	EPA & NJDEP complete draft SFY'02 Annual Performance Report
January/February 2003	EPA provides NJDEP with final allocations for SFY 2003 funding and available information on SFY2004 funding and information on changes in national program guidance.
September 30, 2003	EPA & NJDEP complete draft SFY'03 Annual Performance Report
January 2004	EPA and NJDEP management and program staff meet to discuss the SFY2005-2007 PPA and PPG.
January/February 2004	EPA provides NJDEP with final allocations for SFY2004 funding and available information on SFY2005 funding and information on changes in national program guidance.
April 30, 2004	NJDEP and EPA prepare Draft SFY2005-2007 PPA, and NJDEP submits SFY2005-2007 PPG application to EPA. Opportunity for public meetings and written public comment on draft SFY2004-2206 PPA will take place before May 31, 2004.
May 31, 2004	EPA provides comments on the Draft Agreement.
June 30, 2004	SFY2005-2007 PPA signed by EPA and NJDEP.
September 30, 2004	EPA & NJDEP complete draft SFY'04 Annual Performance Report. EPA anticipates awarding the SFY 2005-2007 PPG on or before this date.

CROSS CUTTING ISSUES

1. SUSTAINABILITY

A. NJDEP Sustainability Efforts

A "sustainable state" is one that "meets the needs of the present, without compromising the ability of future generations to meet their own needs." (The United Nations World Commission on Environment and Development, The Brundtland Commission, 1987). Over the last several years, state leaders, both within and outside of government, have given a high priority to moving New Jersey in the direction of becoming a sustainable state. A nonprofit group, New Jersey Future, working with state government, released *Living with the Future in Mind*, in May 1999. This sustainability document articulated goals and indicators for New Jersey's quality of life. Governor Whitman's Executive Order No. 96 (1999) endorsed the report's 11 goals and 41 indicators and directed state departments to 1) pursue policies that are consistent with the sustainability goals, 2) collaborate in the exchange of information and establish institutional mechanisms to encourage and facilitate achievement of the goals, and 3) report annually on their progress toward goal attainment. This action was a significant step in New Jersey's efforts to internalize sustainability into State government operations. (An earlier mandate, Executive Order No. 68 (1997), established an Office of Sustainability in the New Jersey Commerce and Economic Growth Commission and directed each State department to embrace sustainability as an operating principle.)

NJDEP has steadily assumed an increasing role in advancing efforts to achieve sustainability in New Jersey. As an indication of the importance NJDEP places on sustainability, New Jersey's sustainable state efforts occupy the apex of the Department's results-based environmental management system planning hierarchy as shown in Figure 4. The Department's current Strategic Plan (1998) commits the NJDEP to developing a better understanding of how the issues of society, the economy, and the environment interrelate, and the pursuit of strategies that simultaneously improve life in all three areas. The Department is continuing to develop the sustainability ideas first outlined in the 1999-2000 PPA.

The following is a list of major NJDEP sustainability related efforts:

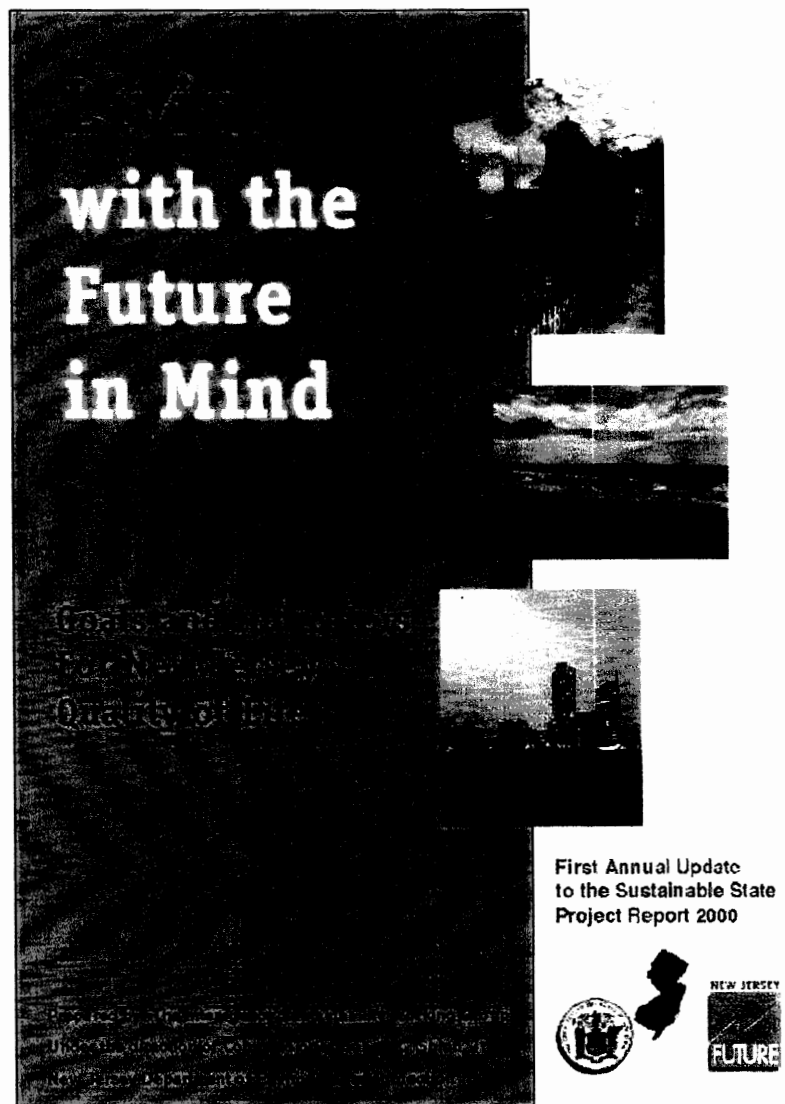
Guidance Document on NJDEP Efforts to Support Sustainability in New Jersey - In September 2000, the NJDEP Sustainable Communities Work Group released a *Guidance Document* addressing the attainment of sustainability in New Jersey. In preparing the *Guidance Document*, the Work Group developed a lens through which Department strategies can be viewed to determine whether they support the achievement of sustainable development. The NEPPS Work Groups played an integral role in examining NJDEP programs in relation to the Sustainable State goals. The report includes 16 major recommendations to guide the Department's strategies and activities to better support New Jersey becoming a Sustainable State. As an illustration of the explicit application of sustainability principles to NJDEP decision making since the

release of this report, the Department determined that increasing the harvest of surf clams would not harm the population and would increase the economic vitality of the Cape May fisheries.

Establishment of the Interagency Sustainable State Working Group - The Interagency Sustainable State Working Group was established in March 2000 to coordinate State agency efforts necessary to report on progress toward attaining the Sustainable State goals. NJDEP Commissioner Robert C. Shinn, Jr. has led this group, which is composed of representatives from all Cabinet departments, other State agencies and commissions, and New Jersey Future. The group has met regularly since it was formed to prepare the reports detailed below, to discuss sustainability initiatives more generally, and to begin the process of institutionalizing sustainability into the operations of State government.

Living with the Future in Mind: First Annual Update to the Sustainable State Project Report, 2000 - In early February 2001, Commissioner Shinn released the first report measuring the progress that has been made since the adoption of the 11 sustainability goals outlined in the 1999 report, *Living with the Future in Mind*. *Living with the Future in Mind: First Annual Update to the Sustainable State Project Report, 2000* was produced by the Interagency Sustainable State Working Group to fulfill Executive Order No. 96 (1999). The report updated the data and trends reported in the 1999 report and added targets that had been previously adopted by State agencies through a public process. The report also introduced some of the most significant strategies and programs employed by state government to meet the sustainability goals.

Governing with the Future in Mind - The Interagency Sustainable State Working Group is finalizing the draft of a companion report to *Living with the Future in Mind: First Annual Update to the Sustainable State Project Report 2000*. The companion report, *Governing with the Future in Mind*, consolidates State-level



strategies that promote sustainability and links them to the Sustainable State goals. The report discusses the linkage between the goals and indicators of the Sustainable State project and the goals and indicators in the State Development and Redevelopment Plan (NJ State Planning Commission, March 2001). The report also makes suggestions for changes and additions to the Sustainable State goals and indicators. Lastly, the report contains recommendations for further actions that could be taken to advance and institutionalize the Sustainable State Initiative in New Jersey. One proposal is to complement the work of the Interagency Sustainable State Working Group through the establishment of a university-based independent entity to convene a public process to reexamine the goals and indicators, establish benchmarks for the indicators, and perform research to fill knowledge gaps concerning sustainability measurement and achievement. The work of the entity would augment the state government efforts in these areas. Funding for such an institute was included in the state budget for Fiscal Year 2002.

New Jersey Sustainability Greenhouse Gas Action Plan - The New Jersey Sustainability Greenhouse Gas Action Plan describes strategies to achieve the target, established by Commissioner Shinn, of a 3.5% reduction in New Jersey's greenhouse gas (GHG) emissions below the 1990 baseline by 2005. The Action Plan identifies strategies involving energy efficiency, pollution prevention, innovative technologies, waste management, recycling and open space preservation. New Jersey is the first state to establish a statewide GHG reduction goal. The goal was developed based on the Rio Treaty objectives using voluntary reductions, market incentives, and emissions trading. All 56 New Jersey colleges and universities, 13 state organizations and businesses, and a coalition of religious leaders have now pledged to help implement the Action Plan.

Coordination with the New Jersey State Development and Redevelopment Plan (State Plan) - The revised State Development and Redevelopment Plan (State Plan), adopted March 1, 2001, is a blueprint to redevelop New Jersey's cities, guide growth in an appropriate manner, and relieve congestion and exemplifies some of the concepts of sustainable development. The State Plan establishes eight goals, 19 sets of Statewide policies and a series of geographically oriented policy objectives, as well as 33 indicators and targets to track trends and progress in meeting the Plan's goals. The State Plan encourages the application of sustainability principles such as green design, energy efficiency, pollution prevention, and the development of eco-industrial parks. NJDEP has aligned regulations, including the Coastal Area Facility Review Act (CAFRA) regulations, with the goals and objectives of the State Plan. The new regulations will guide new development in the coastal zone toward developed areas with existing infrastructure and away from environmentally sensitive areas. In 1999, the NJDEP Office of State Plan Coordination was launched with the mission of integrating the principles of the State Plan into NJDEP rules and programs.

Local Performance Partnership Agreements (Local PPAs) - As discussed elsewhere in the Cross-Cutting Issues section of this PPA, the Department is applying the results-based management partnership approach of NEPPS to environmental planning at the local level through Local Performance Partnership Agreements. The PPAs are

developed by opening new areas of dialogue and cooperation among different levels of government. These agreements, patterned after the NJDEP/EPA PPA, serve as tools to advance sustainability on a local or county level by linking local economic development and environmental improvement. For example, the Local PPA with the City of Perth Amboy includes strategies from the *New Jersey Sustainability Greenhouse Gas Action Plan* that can be implemented on a local level. The strategies include investments in energy efficiency that could lead to cost savings for Perth Amboy.

Sustainability Team - A Sustainability Team was established within NJDEP to manage the process of updating the Sustainable State initiative and to advise the Department on sustainability.

B. NJDEP Sustainability Initiatives FY02-04

For the first time, this PPA includes a summary of initiatives unique to the topic of sustainability. This PPA also includes separate activity commitments in sustainability-related areas, such as pollution prevention and global climate change, which are listed under the relevant goal area. In addition, this PPA includes a new Sustainable Fish and Wildlife subgoal within the Land and Natural Resources goal area.

- NJDEP will continue to provide leadership to the Interagency Sustainable State Working Group.
- NJDEP, through the Interagency Sustainable State Working Group, will complete *Governing with the Future in Mind*.
- NJDEP will implement components of the internal *Guidance Document on NJDEP Efforts to Support Sustainability in New Jersey* to more fully operationalize sustainability at NJDEP.
- NJDEP will further develop its Sustainability Team to carry out the above initiatives.

C. NJDEP and EPA: Working Together (FY02-04)

This section describes partnership opportunities to promote sustainability. These efforts are in the early stages of development. Because sustainability is an evolving concept, further ideas and strategies will be considered over the course of this PPA. An important mutual goal is to continue to create an atmosphere between our two agencies that is conducive to building productive partnerships. We anticipate communicating regularly and sharing experiences regarding our respective sustainability efforts. The sustainability efforts discussed below are in addition to those that are included as activity commitments under strategic goal areas of this PPA. Sustainability is an issue that cuts across traditional environmental programs throughout NJDEP and EPA. Therefore, in some cases the staff expertise necessary to accomplish the efforts listed below will also cut across program areas of our agencies. There are opportunities for

NJDEP and EPA to work together in such areas as emerging environmental management innovations and sprawl related issues.

Environmental Management Innovations

1. Industrial Ecology: Region 2 will continue to cooperate with EPA Headquarters, other EPA Regions and federal organizations, as well as NJDEP to explore the concepts, approaches and methods of industrial ecology. A number of subject areas are considered within the field of industrial ecology. Some examples include: Materials Flow Analysis (MFA), Substance Flow Analysis (SFA), Product Stewardship, Design for Environment, Green Chemistry, Life Cycle Inventory, Assessment and Design, industrial symbiosis and eco-industrial development.

Activities

- NJDEP and Region 2 will continue to regularly share information on those activities that are connected to industrial ecology. Information will be exchanged and reviews conducted on NJDEP's White Paper on Industrial Ecology and EPA's Briefing Paper on Industrial Ecology.
- NJDEP and Region 2 will identify those themes within EPA's Briefing Paper and NJDEP's White Paper that offer additional opportunities for working together. Where appropriate and feasible, we will explore other efforts that could lead to an improved understanding and application of industrial ecology concepts (e.g., a targeted project, training, workshop, or speaker events).

2. The Natural Step: Region 2, in order to inform itself about sustainability and facilitate society's endeavor to become more sustainable, has provided training for regional and state staff on The Natural Step. The Natural Step's principles provide a pragmatic framework that is designed to serve as a compass for businesses, communities, academia, government entities and individuals who are working to redesign their activities to become more sustainable.

Activities

- The NJDEP Sustainability Team and EPA will explore the possibility of convening a meeting to discuss the incorporation of the sustainability principles embodied in The Natural Step approach into EPA's and NJDEP's waste minimization programs.
- NJDEP and EPA will explore the possibility of holding a round table meeting with EPA, NJDEP, and the regulated community, facilitated by The Natural Step organization for the purpose of creating the most effective and sustainable waste minimization results.

Sustainability Aspects of Managing Growth, Redevelopment, and Protecting Natural Resources

1. Open Accessible Space Information System Cooperative (OASIS): OASIS is a partnership of more than 30 federal, state, and local agencies, private companies, academic institutions, and non-profit organizations. These groups are working together to create a one-stop, interactive mapping and data analysis application via the Internet to enhance the stewardship of open space so these areas are linked, diverse, and sustainable. OASIS is based on the belief that a common, free, open space inventory, which is a web-based GIS mapping resource, is invaluable to greening and planning for communities. GIS and other GeoData Systems are critical planning tools for enhanced spatial visualization and data analysis. They can integrate socio-economic profiles and demographic analysis with data set creation, strategic mapping and comprehensive community and regional planning services. The only place to which the OASIS model has been applied nationally is New York City.

Activities

- The OASIS steering committee will work with the NJDEP Sustainability Team and other appropriate offices in NJDEP to explore how the OASIS model might be extended into New Jersey communities.

2. Smart Growth: EPA is one of many partners in the Smart Growth Network -- a national partnership program working to promote regional growth, development and land use that is: protective of air and water quality, enhances access to nature and encourages brownfields development that is fiscally sound, promotes community livability, resource efficiency and sense of place.

Activities

- NJDEP and EPA will explore the option of developing a Smart Growth Network in New Jersey.

D. Additional Areas for Potential Collaboration FY02-04

There are several other opportunities for collaboration between NJDEP and EPA for the cross-cutting issue of sustainability. In some cases, a collaborative relationship already exists. In other cases, NJDEP and EPA could further explore opportunities for initiating some collaborative relationship.

Environmental Management Innovations

1. Project XLC ("eXcellence and Leadership for Communities): Designed to test innovative community-based strategies that will achieve superior environmental results, in exchange for requested regulatory flexibility, Project XLC specifically targets community-designed plans that promote environmental goals consistent with community economic development. Proposals may be submitted by local governments, regional consortia, community organizations, or other local entities.

2. **Toxics Reduction in the New York-New Jersey Harbor:** A multi-year Cooperative Agreement with Region 2 and the New York Academy of Sciences will identify the locations in five selected toxicant cycles where pollution prevention or other remedial actions might best contribute to reductions in loadings of these toxics. Work is underway related to the mercury and cadmium mass balances. NJDEP is participating in the activities of the New York-New Jersey Harbor Consortium, including the Cadmium Action Group.

3. **Product Stewardship:** Region 2 is supportive of EPA Headquarters efforts related to furthering an understanding and reducing the environmental impacts of electronic products from beginning of life to disposal. In particular, Region 2 is examining issues associated with Wireless Products (i.e. pagers, cell phones, personal digital assistants) through a solid waste demonstration grant with INFORM, Inc. Where appropriate, dialogue has been initiated with certain manufacturers of these products. NJDEP and Region 2 recently participated in a Solid Waste Summit entitled "Producers and Consumers, Processors and Disposers: New Partners for a Sustainable Environment". In addition, Region 2, NJDEP and the Union County Utilities Authority have partnered on a project evaluating the environmental benefits and overall costs for the collection and demanufacturing of consumer electronic appliances.

4. **Mercury Switches:** Region 2 is working with EPA Region 5 and EPA's Office of Pollution Prevention and Toxics to focus attention upon and ultimately address environmental pollution associated with mercury switches in automobiles. NJDEP's Mercury Task Force advisory group is also addressing this issue. This activity is identified in the Mercury section, found within the Safe & Healthy Communities goal area.

Sustainability Aspects of Managing Growth, Redevelopment, and Protecting Natural Resources

1. **Mid-Atlantic Federal Partners for the Environment (MAFPE):** EPA Region 2 is an executive partner of the Mid-Atlantic Federal Partners for the Environment (MAFPE). The purpose of MAFPE is to enhance cooperation among the federal agencies whose missions are specific or related to federal environmental protection efforts in the mid-Atlantic States. MAFPE has adopted two Tier 1 initiatives: New York/New Jersey Harbor Restoration, and urban sprawl. The MAFPE Harbor restoration efforts are coordinated with Region 2's Harbor Estuary Program office. Regarding urban sprawl, MAFPE partners entered into a Memorandum of Agreement for a pilot strategy on sprawl. The pilot strategy is intended to assist in the cooperative use of innovative approaches on a local and regional basis to help achieve objectives related to managing growth and protecting resources. MAFPE is currently engaged or is considering a total of eight pilot projects in the mid-Atlantic States. One of the proposed projects involves federal agencies with major land holdings in the Barnegat Bay Estuary watershed to coordinate ecosystem and resource protection, conservation, and management activities.

2. Smart Growth Index: The Smart Growth Index Model is a GIS-based tool designed to help communities explore development options that protect the environment, create community livability and achieve economic benefits. It is a tool that can simulate transportation and development scenarios and measure their outcomes using various environmental and performance indicators. Currently, the model is being piloted in over 20 communities throughout the country. Region 2 is working in partnership with the NJ Office of State Planning, NJDEP, the Delaware Estuary Program, the Delaware Valley Regional Planning Commission, and the Partnership for the Delaware Estuary, Inc. to pilot the model at several light rail station stops along the Route 130 corridor. The model would compare three development scenarios at each of the station stops: 1) a continuation of current auto-oriented patterns and decline, as development in Burlington County moves east; 2) restoring transit service but not facilitating transit-oriented development at the stations and beyond; and 3) restoring transit service and reinventing the station areas and beyond as transit-oriented developments. EPA will look to continue piloting this model in various communities over the next year.

2. ENVIRONMENTAL INDICATOR SYSTEM DEVELOPMENT

Indicators are critical components of the results-based management approach as exemplified in this Performance Partnership Agreement. To be most useful, indicators must be related to key environmental issues and clearly aligned to goals or objectives. An indicator's value is increased to the degree that it is based on readily available, technically sound data that are collected regularly and sensitive to changes. An indicator should convey trends in causes or environmental stresses, environmental conditions, or agency or societal responses which are readily understandable.

Improvement and refinement of existing indicators, and development of new, more appropriate, indicators is an iterative process requiring consistent effort. To provide assistance in the development of environmental indicators, in April 1998, the New Jersey Center for Environmental Indicators (CEI) was established. The CEI is a partnership between NJDEP, Rutgers University and the Environmental and Occupational Health Sciences Institute (EOHSI), which is associated with the University of Medicine and Dentistry of New Jersey.

The main goal of the CEI is to further the development and utilization of environmental indicators in New Jersey. The CEI has organized its indicators research and development efforts into seven main science and technical program areas. These include: water, air/ozone, greenhouse gas emissions/climate change, biodiversity/ecosystems, landscape/land use, human health & toxics, and outreach/communication. Rutgers and EOHSI scientists work with NJDEP managers and staff through the CEI to develop and coordinate indicators research and development efforts in these seven areas.

The CEI also reviews strategic focus areas developed through the Department's annual Environmental Progress Briefings which address progress in meeting the NJDEP's

Strategic Goals, and identifies indicators-related needs expressed in these focus areas. Further, the CEI expects to utilize the results of the Department's Comparative Risk Project, carried out with the assistance of the EPA, in identifying key environmental stressors for which indicators may need to be developed for incorporation into NJDEP's results-based management framework.

Another important area in indicators development is the improvement of access to indicators and related data by NJDEP and EPA personnel, the academic community, and the public. The CEI is active in this area through its association with the New Jersey Environmental Digital Library, and through updating and expanding the CEI website (<http://www.scc.rutgers.edu/cei>) and increasing this website's linkages to other data sources and resources. The Department, through its New Jersey Environmental Management System (NJEMS) and its Environmental Data Exchange (ENDEX), will continue to develop additional electronic access to indicators-related data and information. NJDEP is also preparing electronically available indicator fact sheets for the agency's leading indicators.

Another important aspect of indicators development is the ongoing comparison of indicators used in the NEPPS process and the Department's Strategic Plan with indicators used by other State and federal agencies, industries and other organizations, and nations. The purpose of this comparison is to improve consistency and optimize the measures being used as more organizations move towards results-based management. Work on this aspect will be greatly facilitated by the newly-developed electronic version of the NEPPS Goal/Indicator/Activity Commitment Tables.

In New Jersey, indicators development support was recently provided by NJDEP to the sustainable state effort for *Living With The Future In Mind: First Annual Update To The Sustainable State Project Report 2000*; NJ Department of Health and Senior Services - *Healthy People 2000*; the *2001 State Development and Redevelopment Plan*; and the NJDEP section of the *2002 Budget in Brief*. During the course of this PPA, such indicator collaboration and reporting with other state agencies and work groups will continue.

3. PLACE-BASED APPROACHES TO ENVIRONMENTAL MANAGEMENT: COUNTY/LOCAL PPAs

Under the leadership of Commissioner Shinn, NJDEP has implemented a number of high-level management initiatives, which have enhanced the effectiveness and efficiency of program operations and the delivery of services. These initiatives include the first strategic plan, NEPPS agreements with EPA, a results-based management reporting system, an agency-wide business process re-engineering effort, and improved operations through major enhancements to information technology systems and capabilities.

Together, these initiatives combine to create an environmental management system for NJDEP by providing a clear vision and mission, strategic goals, direction and priorities,

performance measures, an accountability system to routinely monitor and track progress, and streamlined operations enhanced with state of the art information technology systems.

It is clear that NJDEP can have an even greater impact on the environment if the Department works with other interested governmental entities in the State and assists them in instilling these same concepts and principles into their environmental operations. As such, the Commissioner directed the development of agreements with County and Municipal governments, similar to the NEPPS PPA.

NJDEP's Local Environmental Performance Partnership Agreements (Local PPAs) are designed as place-based approaches to environmental management, with significant stakeholder involvement, and are guided by results-based management processes and techniques. The Local PPAs are intended to enhance the capacity of the county or municipality to protect and manage environmental issues, accelerate environmental improvements, and link local economic development opportunities with environmental improvements.

To develop the Local PPAs, the technical expertise of NJDEP is focused on a single, jurisdictional boundary in a multi-media and cross-program manner. The agreements span five years in order to facilitate long-range planning and consider large-scale redevelopment projects. A county or municipality voluntarily joins in partnership and commits to work with the Department to identify their environmental issues and concerns and to implement the types of improvements they would like to achieve in their community. The county or municipality also commits to work towards the achievement of NJDEP's environmental goals, such as reducing greenhouse gas emissions, and non-point sources of pollution.

The work of the Local PPA begins with a joint planning process that culminates in the development of an action plan. The action plan serves as a project management tool and contains a shared set of environmental goals, specific objectives and activities to achieve those goals, prioritized development and redevelopment projects and environmental performance indicators, wherever possible.

To date, NJDEP has signed five Local Environmental Performance Partnership Agreements with the Cities of Bayonne, Perth Amboy and Wildwood as well as with Hudson and Burlington Counties.

The work of the partnership in the City of Bayonne has led to increased parkland and open space, construction of a boat ramp with park enhancements, brownfields and waterfront redevelopment, wetlands enhancements, and the development and implementation of a cooperative agreement for waterfront development monitoring.

The Hudson County PPA will focus on the Hudson River Waterfront Walkway and will culminate in the development and implementation of a Comprehensive Plan for the Construction, Completion and Continued Management, Oversight and Maintenance of

the Walkway. In 1966, the concept for a waterfront walkway along the Hudson River was first proposed and was refined in 1983 in the report of the New Jersey Waterfront Study and Planning and Development Commission. The plan was to require developers to build a public walkway in exchange for the right to build office, commercial and residential projects on lands touched by the tides and held in trust by the State of New Jersey. In 1988, NJDEP adopted regulations requiring the construction of the walkway, maintenance in perpetuity, and perpendicular and linear access to the waterfront. To date, less than 10 miles of the walkway has been constructed and this partnership will refocus and rejuvenate the necessary energies to complete this important project.

The NJ Department of Community Affairs awarded the County almost \$200,000 in Smart Growth Grant Monies for the project, which will be used to fund a consulting firm that will work with NJDEP and Hudson County to develop the comprehensive plan. The scope of work for the grant was developed jointly by Hudson County and NJDEP.

Perth Amboy has recently finalized a major redevelopment plan and the effort of their local PPA will focus on implementing that plan and achieving both environmental improvements and economic benefits for the City.

NJDEP is working to expand and institutionalize the local PPA effort with agreements signed between the Department and other counties/municipalities in the State. This would serve to strengthen and enhance the state environmental management system that has been developed and implemented in NJDEP.

4. COASTAL PLANNING: USING A RESULTS-BASED MANAGEMENT APPROACH

NJDEP's Office of Coastal Planning and Program Coordination is embarking on a two year process to evaluate and update the New Jersey Coastal Zone Management Plan. The New Jersey Coastal Zone Management Plan is now 20 years old and is in need of updating to satisfy current State and Federal policy directives. Each year, the Department receives a substantial grant from the National Oceanic and Atmospheric Administration to implement the federal coastal zone management program. The work will include coordination of coastal policies with other Department programs including watersheds, estuary programs, coastal engineering, and natural resources, and ensuring that the Department's coastal policies become part of a results-based management framework fully integrated with the Department's Strategic Plan and the NEPPS Performance Partnership Agreement. It will also have an extensive outreach component, which will be the start of an ongoing Department dialogue effort on coastal zone management.

As a focusing tool in both the planning and the outreach activities, the office has initially proposed a series of strategic goal statements for the coast.

The proposed coastal strategic goals are as follows:

- ◆ **Healthy Coastal Ecosystems** - The health, diversity and integrity of the State's coastal ecosystems will be restored, protected, enhanced and sustained.
- ◆ **Clean and Plentiful Water** – New Jersey's tidal rivers, coastal lakes, estuaries, and coastal ocean waters will be fishable, swimmable and support healthy ecosystems. Surface and ground water will be clean and be available in adequate quantities for all uses.
- ◆ **Abundant Open Space** – In the coastal area, natural and scenic landscapes will be preserved and every person will have the opportunity to visit beaches, parks, forests, wildlife areas, and historic sites. The public will have unrestricted opportunities to access tidal waters and ocean beaches.
- ◆ **Well Planned and Safe Coastal Communities** – Every coastal community will have opportunities to grow in compact forms, develop a sense of community, have adequate infrastructure to support public health and safety, provide for conservation of natural resources, and where appropriate, redevelop in a way to promote beneficial economic growth and revitalization. Coastal hazards will be minimized to protect life and property from storm damage.
- ◆ **Vibrant Urban Waterfronts** – Maintain active ports and facilities relating to marine commerce while balancing the demand for residential, commercial, and recreational redevelopment of urban waterfronts. Manage urban waterfront development to improve, safeguard, and restore the quality of estuarine and riverine waters, and to protect natural resources and the existing uses of these waters.
- ◆ **Effective Management of Ocean Resources** – To improve the stewardship of New Jersey's coastal ocean through the establishment of working relationships with federal agencies who share responsibility with the State for sustained use, conservation, and protection of living and non-living ocean resources.

As goals, indicators and strategies are developed for this coastal planning effort, they will be incorporated, as appropriate, into the NEPPS PPA.

5. POLLUTION PREVENTION

Pollution Prevention, a multi-media strategy or approach which can be applied to any processes or pollutants at any source, appears in this cross-cutting issues section of this PPA as an overarching environmental strategy that can be used to assist the NJDEP in meeting its environmental goals. Pollution Prevention also appears specifically under the Safe and Healthy Communities Goal Area with milestones, objectives, and indicators. It is also included as one of the Guiding Principles of this PPA, which states that pollution prevention will be favored over management, treatment and disposal of wastes. The inclusion of pollution prevention in this cross-cutting issues section is intended to highlight the need for pollution prevention strategies and

approaches to be developed and implemented by all NJDEP programs and should not be limited to reductions in toxic substances. New Jersey's landmark Pollution Prevention Act set a goal of transforming the existing system of environmental regulation to one which is based on prevention. The shift to results-based management embodied in the PPA goes hand in hand with a shift from treatment to prevention. Pollution prevention strategies should continue to receive increased emphasis throughout NJDEP and EPA Region 2.

6. SILVER/GOLD TRACK

NJDEP, in cooperation with regulated entities in New Jersey, is committed to promoting superior environmental performance through innovative programs that continue to preserve the environment and protect human health while encouraging sustainability and economic growth. Toward this end, NJDEP in partnership with EPA, non-governmental organizations (NGOs) and the regulated community developed the Silver and Gold Track Program for Environmental Performance (Silver and Gold Track Program). This program is based on the concept of achieving environmental excellence through commitments and accountability beyond standard regulatory requirements, and is comprised of three tiers or levels: Silver Track, Silver Track II, and Gold Track.

Silver Track represents the Department's first broad step toward implementing a regulatory structure that requires accountability, measures environmental performance, provides operational flexibility and produces environmental results. Silver Track offers incentives and public recognition and is open to the entire regulated community. Eligibility requirements for Silver Track include a good environmental history for the past five years; no record of criminal violation; and having all required plans, permits, registrations, approvals, etc. up-to-date. Silver Track was implemented in September 1999.

Silver Track II has the same basic eligibility requirements established for the Silver Track tier; however, participants must also achieve verifiable reductions of greenhouse gas (GHG) emissions over time. In exchange for these emission reductions, Silver Track II participants would not be required to obtain certain air pollution control pre-construction approvals from the Department for sources emitting below established de minimis thresholds. The Silver Track II tier, which is also open to all regulated entities in New Jersey, was implemented in May 2000. As of September 2001, there were 16 participants in Silver Track and Silver Track II (10 in Silver Track, 6 in Silver Track II).

The Gold Track tier offers the greatest operational and regulatory flexibility and requires the greatest environmental commitments. In addition to the basic eligibility requirements established for Silver Track and Silver Track II, Gold Track participants would be required to have an environmental management system and community outreach program in place prior to acceptance. In addition to the GHG emission reductions required for Silver Track II, Gold Track participants would also be required to: achieve criteria and hazardous air pollutant (HAP) emission reductions over time; commit to enhanced handling, storage and treatment of hazardous waste; implement ways to reduce potable or surface and ground water use through conservation and/or effluent

reuse; reduce the quantity of TRI listed chemicals discharged to POTWs and incorporate enhanced pollution prevention and/or source reduction in day-to-day operations.

In exchange for these additional environmental improvements, participants would be eligible for greater multi-media operational/regulatory flexibility including: a significant expansion of the de minimis concept to establish facility-wide emission caps; an exemption from the definition of solid waste for materials that would otherwise be listed as characteristic hazardous waste destined for recycling; and reductions in monitoring frequency for wastewater discharges.

In January 2001, the Gold Track tier was approved by USEPA as a statewide Project XL initiative. A covenant will be the instrument used to memorialize the environmental commitments between NJDEP and all entities participating in each tier of the program. This covenant will detail the development of the environmental goals and milestones that are mutually agreed upon by the Department and the facility. It also documents the specific indicators/measures to be used to track progress and measure performance in meeting these goals and milestones. Failure to meet the basic requirements of entry into any of the tiers and/or failing to meet the agreed-upon goals in the covenant may result in a facility's removal from the program.

NJDEP intends to have regulations in place by the end of 2001 or early 2002 to fully implement the regulatory flexibilities offered in Silver Track II and Gold Track. Over the next five years, the Department will be working very closely with Silver Track II participants to ensure that they implement their Operations and Environmental Compliance (OEC) Plans, establish community outreach programs and achieve the required GHG emission reductions. The Department will also be working with Gold Track participants to ensure that the goals of that program are achieved: GHG, criteria and hazardous air pollutant emission reductions, enhanced management and increased recycling of hazardous waste, reductions in wastewater discharges and enhanced pollution prevention.

NJDEP will also be measuring and reporting, on a periodic basis, the success participants are having in achieving emission reductions, increased recycling, reductions in wastewater discharges and greater incorporation/utilization of pollution prevention. The Department will be identifying and attempting to resolve any operational or regulatory barriers to achieving program goals, and will continue to examine the effectiveness and appropriateness of program flexibilities and incentives.

7. INNOVATIVE ENVIRONMENTAL TECHNOLOGIES

New Jersey has positioned itself as a leader in the field of environmental and energy technology. To support and maintain this role, the NJDEP through the Office of Innovative Technology and Market Development (OITMD) is committed to maximize the

availability of information about innovative environmental and energy technologies and encourage their commercialization and use to advance overall environmental benefits.

The development of OITMD, within the NJDEP, meets two of the goals of the mission and vision statement for NJDEP.

1. Assuring that pollution is prevented in the most efficient and practical way possible, and
2. Assuring that the best technology is planned and applied to achieve long-term goals.

These duties and responsibilities are implemented in the various divisions within the department. The staff of OITMD serve as department-wide consultants to provide a coordinated approach to the evaluation of the overall net environmental benefits to the department of innovative environment or energy technologies.

Through a variety of internal, interstate and international efforts, NJDEP and the state will benefit by using better, faster, cheaper technologies to solve our environmental problems while also building a stronger economy for the state.

Within DEP

The New Jersey Environmental and Energy Technology Verification (EETV) at N.J.S.A. 13:1D-134 established a third party verification program for environmental and energy technologies. The legislature found in establishing the technology verification and certification program, that it is in the public's interest to encourage the commercial development and use of new technology-based environmental and energy related products, services and system in the State that abate and prevent environmental pollution and promote energy conservation in the most cost-effective and environmental efficient manner.

The EETV Act directed the NJDEP to enter into a performance partnership agreement with the New Jersey Corporation for Advanced Technology (NJCAT) to establish and implement a third-party verification program. The EETV Act further directed NJDEP to develop a certification process for new environmental and energy technologies that were verified within the NJCAT program. This verification and certification process is to assist in identifying, evaluating and expediting the commercial use of innovative energy and environmental technologies that provide significant environmental benefits to the State. The EETV Act established this process to provide technical guidance to the vendor and the regulated community to coordinate the required approvals and review process and to revise the regulatory framework, as needed, to assist in the development and commercial use of technologies that provide significant net environmental benefit through documented, verified and certified performance data.

As required in the EETV Act, OITMD has established a technical manual that is an overall departmental protocol for consistent review and evaluation of innovative environmental and energy technologies. The technology manual defines the department's environmental energy technology certification process for such technologies. This manual identifies definitions of innovative technology, New Jersey

statutes and regulations relating to innovative technologies, and the technology review and approval processes. Similarly, with input from the department, NJCAT has established a technical review protocol for their verification process. These two technical protocols and manuals are consistent and form the basis for identifying certain technologies that provide significant environmental benefits and verifying the respective performance claims.

The OITMD technical manual is designed as a single point of entry with clear procedures for the review, demonstration and approval of innovative environmental technologies. Additionally, it will establish clear criteria for participation in the technology verification and certification process. The two main criteria for acceptance into the verification/certification program are that the technology must be commercially available, and that the new technology must provide a significant net beneficial effect over existing state of the art technology.

If an innovative environmental/energy technology is verified by NJCAT and certified by the NJDEP to have validated performance data to support the technology's performance claim, the EETV Act requires the following action on the part of the department:

1. The permit programs can rely on the NJCAT evaluation and verification process in the establishment of contract provisions, protocols, policies, principles and/or technical guidance to develop expedited or more efficient timeframes for review and decision-making of permits or approvals associated with the verified innovative energy or environmental technology;
2. The regulatory programs can rely on the NJCAT evaluation and verification process in the development of regulatory proposals to more efficiently expedite the relevant permits associated with verified, innovative energy or environmental technologies;
3. The development and implementation of a series of outreach and education seminars that enable the deployment and expedite the commercial use of the innovative energy and environmental technologies that are verified by NJCAT as a technology with significant net beneficial environmental effect from its overall performance; and
4. To work closely with the State Treasurer to include in State bid specifications, as deemed appropriate by the State Treasurer, any technology verified under the energy and environmental technology verification program.

Currently NJDEP has four technologies that have completed the verification/certification process and six technologies that are in the review process. In the next three years OITMD, in conjunction with NJCAT, will seek to verify and certify 12 technologies. In addition, OITMD will work with NJCAT and other state environmental agencies to seek to reciprocally verify/certify performance claims from 36 other technologies that provide significant environmental benefits through out-of-state programs.

Interstate

New Jersey, along with the states of California, Illinois, Massachusetts, New York, Pennsylvania and Virginia have formed a partnership through the Technology Acceptance and Reciprocity Partnership (TARP) workgroup of the Environmental Council of the States (ECOS). This workgroup has defined a process for the reciprocal evaluation, acceptance and approval of environmental technologies. Through the TARP workgroup an agreement was signed by the Environmental Commissioners/Secretaries of all seven states to share common data, review protocol and information relevant to approving or permitting environmental technologies. Other ECOS states including Delaware, Maryland, Minnesota, Wisconsin, Florida, New Hampshire, Connecticut and Texas are in various stages of signing onto this process.

Working through a pilot project, the TARP workgroup has identified a common tiered pathway for the reciprocal state approval and permitting of environmental technologies. The pathway is based on common protocols that define data requirements of specific technologies, beginning with general requirement for all technology classes (Tier I), continuing through a detailed technology class protocol (Tier II) through to a detailed technology specific template for regulatory and/or permitting decision (Tier III). This process is defined in the ECOS strategy document entitled Reciprocal State Acceptance of Environmental Technologies dated September 1999. In addition ECOS has adopted the Tier I General Technology Guidance for Environmental Technology Acceptance and Reciprocity Partnership dated December 2000.

These documents have been signed and approved in a state consensus process by the seven state environmental Commissioners/Secretaries. In addition, there are several Tier II technology class specific protocols are in the signoff/development stage including: stormwater technologies, beneficial reuse/use technologies septic system technologies, energy efficiency/renewable energy technologies (greenhouse gas technologies) and pollution prevention technologies (greenhouse gas technologies) and pollution prevention technologies. Several individual States issued Tier III technology specific protocols have been evaluated in accordance with the Tier I protocol and issued by the individual state environmental agencies. These Tier III approvals include:

1. Pre-startup testing/monitoring
2. Start-up or compliance testing;
3. Construction performance;
4. Operational performance;
5. Monitoring a performance testing
6. Record Keeping
7. QA/QC procedures; and
8. Health and safety plan performance.

These Tier III approvals are in the process of consensus sign-off for interstate technology acceptance and reciprocity.

In the next three years, OITMD will utilize the TARP workgroup of the ECOS process to develop draft or to finalize Tier II/Tier III protocols for all of the major state programs for

the reciprocal evaluation, acceptance and approval of environmental technologies with the current seven states and also seek other states to sign on to the process. OITMD will utilize the reciprocal interstate process to adopt 36 out-of-state verified and certified technologies.

By assuring that technology data and performance tests were conducted according to agreed upon protocols, states can make the results of their ongoing technology evaluation and regulatory approval efforts accessible and useful to other states. Such reciprocity speeds technology deployment at reduced costs for both states and vendors by connecting all 50 states. However, this form of reciprocity does not supersede individual state requirements or allow one state to simply “rubber stamp” the permits on approval of another state. The EETV Act allows NJDEP to enter into reciprocal agreements, concerning the evaluation and verification protocols developed in consultation and conjunction with NJCAT, between the NJDEP and the USEPA, other local, regional or national environmental agencies or entities; or other environmental agencies or entities in other states for the purpose of encouraging and permitting the reciprocal acceptance of technical data and information concerning the evaluation and verification of energy and environmental technologies.

The key to implementing an interstate reciprocity system is establishing a shared database of information or technology that have been tested in accordance with approved Tier II protocols. Within the next three years, the TARP workgroup will develop and implement a shared database, that is accessible on an interstate basis, for technologies that are verified and certified through the Tiered process. The database will include all of the “approved” protocols as well as the status of individual technology reviews.

International

On the international front, New Jersey has signed agreements with the Netherlands, Canada, Israel, France and Thailand. All of these agreements address the issue of environmental technology information sharing. Specifically the agreement with the Netherlands addresses technologies to demonstrate and develop a pilot program for evaluating a carbon-trading program. Working with New Jersey’s Universities and the State Department of Commerce and Economic Development (Division of International Trade), NJDEP staff are providing the technical expertise necessary for the implementation of these agreements.

Implementation includes such activities as information and data development and sharing, meetings and conferences, establishing reciprocity programs, etc. Such agreements, in addition to providing NJDEP staff with new and valuable information, also can expose New Jersey companies to new and growing foreign markets.

NJDEP is also working with the New Jersey Corporation for Advanced Technology which has implemented an agreement with ETV Canada and Enviro Canada establishing a reciprocity system for environmental technology certification/verification programs. In the next year we are exploring ways to expand our work with Canada by

creating a working relationship between the TARP states and the Canadian ETV program's interprovincial working group. NJCAT had initiated discussions about this and a meeting at Globe 2002 between the states and provinces interested in technology verification and reciprocity is under consideration. Additionally, the government of Thailand has expressed interest in expanding their working relationship with the New Jersey Institute of Technology to include environmental technology verification, which would include identifying a Thai technology to bring to NJ and put through our program.

8. COMPLIANCE & ENFORCEMENT

The NJDEP compliance and enforcement program supports the Department's mission through the consistent and fair administration of a compliance assistance, compliance monitoring and enforcement program that helps maintain and improve compliance with the State's environmental laws. The NJDEP continues to evaluate and improve the strategies and tools it employs to ensure compliance, which include: (1) providing on-site compliance assistance to small businesses and municipalities on a multi-media basis that stresses pollution prevention strategies where applicable; (2) performing routine compliance inspections and reviewing self-reported compliance data for regulated activities and operations to determine compliance with environmental requirements; (3) suspending penalties during a correction period for minor violations; (4) commencing civil or administrative enforcement actions, which may include penalties, for repeated or uncorrected minor violations and non-minor violations; (5) obtaining compliance quickly and avoiding litigation through alternative dispute resolution mechanisms and early settlement strategies; (6) seeking injunctive relief for continuing violations that cause or threaten to cause serious harm to human health or natural resources, or that present an imminent or substantial endangerment to human health or safety; (7) referring cases involving criminal conduct to the Division of Criminal Justice for criminal investigation and prosecution.

EPA will work with the State to provide fundamental protection for the public and ensure compliance with the environmental laws and regulations through communication and capacity building. In SFY2002-2004, EPA will continue to administer non-delegated programs and to provide support and oversight for delegated programs as defined in the delegation agreement Memoranda of Understanding (MOUs) and the State/EPA Enforcement Agreements (SEAs). Program specific commitments are contained in activity commitment tables and describe how EPA will assist NJDEP in making progress in meeting its environmental goals.

In addition to regular, ongoing communication between individual-media enforcement managers in EPA and the State, EPA will focus its multimedia communication on at least one meeting annually between the EPA Director of the Division of Enforcement and Compliance Assistance and the NJDEP Assistant Commissioner for Compliance and Enforcement, for joint planning and priority setting. EPA enforcement priorities are set through the Memorandum of Agreement (MOA) between Region 2 and the EPA Headquarters Office of Enforcement and Compliance Assurance (OECA). While this

document does not make any commitments regarding specific State activities, Region 2 recognizes that the Region and the States are partners in the effort to promote environmental compliance, and that State input is essential for the federal enforcement priority setting process. In addition to the annual meeting mentioned above, Region 2 will involve the State in the development of the MOA guidance, and will seek the State's input for the Region's draft MOA. Region 2 will also ensure monthly communication of multimedia activities and policies through the Region's Multi-Program Enforcement Steering Committee to NJDEP's designated representative on this committee.

EPA will respect the State's leadership role in delegated enforcement programs by involving the State wherever practical in discussions which arise regarding State activities, including litigation or administrative enforcement actions, or at a minimum, consulting with NJDEP before commenting on matters or issues related to those delegated programs.

EPA will facilitate enhancements to NJDEP's capacity to implement environmental programs by informing the State of training opportunities that are generally available and assisting to provide or secure specific training as requested. EPA will work with the state to attempt to secure laboratory and/or technical support for complex enforcement cases, and EPA will conduct analyses of environmental and compliance trends, based on the information the State inputs to the national databases and provide the results of these analyses to NJDEP. EPA will support NJDEP's compliance programs through activities such as the compliance screens of facilities applying to the Silver and Gold Track Programs For Environmental Performance, and coordination/input that may be helpful for compliance assistance initiatives, including NJDEP's Welcome Wagon and Greenstart Programs. (See Compliance Assistance section).

In SFY2002-2004, NJDEP will continue to administer strategies in its compliance and enforcement program that reflect the program's sharper focus on improving compliance, thereby reducing risks and preventing impacts to human health and natural resources. These strategies are further outlined below.

Compliance Assistance

Currently, in the course of inspections and other routine functions, NJDEP inspectors provide assistance to regulated entities, including small businesses, on an informal basis. The hazardous waste and NJPDES compliance and enforcement programs continue to provide outreach and education to new hazardous waste generators and new NJPDES permittees, respectively, throughout the state. The "Welcome Wagon" initiative for new hazardous waste generators provides an explanation of applicable regulations and points out likely problem areas. Also, the Pesticide Control Program offers training for new applicator businesses to assist them in complying with pesticide regulations. NJDEP believes that these efforts help prevent violations and improve compliance and will continue to administer these outreach programs in SFY2002-2004. In addition, under a program that began in SFY97, NJDEP continues to administer a voluntary compliance assistance project known as "greenstart," in which small

businesses and municipalities may request assistance to help them comply with environmental regulations. This program is assigned to the Office of Local Environmental Management within the Compliance and Enforcement program. A focus of the Department is to increase awareness of the greenstart program for the benefit of Department staff and the regulated community. As an example of this effort, a percentage of State and municipal public works yards will be visited by NJDEP and county health agency personnel, respectively, to assist the managers of these facilities in understanding and complying with State environmental laws and with pollution prevention strategies, wherever possible.

Compliance Monitoring and Enforcement

NJDEP continues to perform routine compliance inspections and review self-reported compliance reports, such as Excess Emission Reports, Clean Air Act Title V Compliance Plans, and Discharge Monitoring Reports. The performance of compliance inspections and reviews establish an expectation among regulated entities that their performance will be evaluated periodically to verify compliance with their environmental obligations, thereby providing a necessary deterrence to noncompliance. NJDEP will continue to work with EPA in SFY2002-2004 to effectively target inspection and other compliance monitoring and assurance resources to obtain the greatest possible environmental benefits.

NJDEP will continue to initiate civil and administrative enforcement actions for uncorrected and repeated minor violations and non-minor violations, seeking penalties, when necessary, that are commensurate with the violations and that prevent violators from benefiting economically from their noncompliance. Administrative and civil penalties function as an important deterrent against repeat, chronic and recalcitrant violators. More importantly, NJDEP will continue to quickly initiate appropriate enforcement measures for egregious environmental violations, such as injunctive relief, when public health and the environment have been threatened or impacted. NJDEP will submit cases for review to the Department of Law and Public Safety, Division of Criminal Justice whenever we believe criminal activity is linked to environmental violations.

Grace Period for Minor Violations

In December 1995, the Legislature enacted a law known as the Fast Track Compliance Law, providing for the suspension of penalties for minor violations during a 30 to 90 day correction period, as part of NJDEP's compliance and enforcement program. Under the law, upon the discovery of certain types of minor violations of an environmental law, NJDEP will suspend the imposition of penalties during a 30 to 90 day correction period. If compliance is achieved within the specified period of time, no penalty is assessed; if compliance is not achieved, NJDEP may impose a penalty for the violation, which is retroactive to the date that the violation was first discovered. The law applies to most environmental statutes administered by NJDEP.

The law requires NJDEP to adopt regulations designating specific types and categories of violations as either minor or non-minor based upon criteria specified in the law. Specifically, a violation must be designated as minor if each of the following criteria are met: (1) the violation is not the result of purposeful, knowing, reckless or criminally negligent conduct, (2) the violation poses minimal risk to human health safety or natural resources, (3) the violation does not materially and substantially undermine or impair the goals of the regulatory program, (4) the activity or condition constituting the violation has existed for less than 12 months, (5) the violation is not a repeat offense, and (6) the violation is capable of being corrected within the time prescribed. The law also requires that NJDEP establish in the regulations the length of the correction period for each type or category of minor violation based upon the seriousness of the violation and the length of time reasonably necessary to correct the violation. In SFY96, NJDEP began to implement the law on a case-by-case basis. NJDEP has now begun to promulgate a series of rule proposals implementing the Fast Track Compliance Law. EPA Region 2 will continue to be asked to provide NJDEP with comments or concerns regarding the draft rules prior to each rule proposal.

Alternative Dispute Resolution

NJDEP established the Office of Dispute Resolution in 1994 to help resolve issues in which the intercession of a neutral third party would substantially enhance the likelihood of resolving the matter in a fair and timely manner. The Office is involved in site remediation, permitting and enforcement cases, including matters that have been referred to the Office of Administrative Law for an adjudicator hearing as a contested case, as well as problems or disputes that are not yet the subject of a formal administrative proceeding. The Office of Dispute Resolution provides a forum other than the administrative and trial courts for resolving a wide range of compliance issues through mediation or facilitation.

In enforcement matters, this forum allows NJDEP and an alleged violator to resolve technical and other issues more quickly and at less cost than through litigation. In addition, this forum allows the parties to address all compliance issues between them, while litigation sometimes results in the resolution of some issues, but not others. The Office of Dispute Resolution is especially well suited for resolving complex compliance issues that could not be effectively addressed through litigation.

Supplemental Environmental Projects

NJDEP believes that significant environmental benefits may be obtained through the appropriate use of Supplemental Environmental Projects (SEPs). SEPs are environmentally beneficial projects which a violator agrees to undertake in settlement of an enforcement action, but which the violator is not otherwise legally required to perform. The EPA policy for SEPs provides a good framework for evaluating specific projects, setting appropriate parameters for assessing the value of projects and considering that value in the calculation of a settlement penalty. Currently, NJDEP does not have regulations or written guidelines explicitly governing the use of SEPs in the

settlement of enforcement actions. In SFY2002-2004, NJDEP will consider specific proposals for SEPs on a case-by-case basis, and use the EPA policy as guidance unless and until NJDEP develops its own SEP policy.

Performance Measures

Historically, the performance of environmental compliance and enforcement programs was measured based mainly upon the number of inspections performed, enforcement actions initiated and the amount of penalties assessed. More enforcement actions and higher penalty assessments were correlated with greater success. And, indeed, aggressive enforcement over the last 25 years has contributed to the current high levels of compliance by the regulated community. However, it has become increasingly clear that the number of enforcement actions initiated and penalties assessed do not, by themselves, indicate progress toward improving compliance, and should be replaced by more appropriate performance indicators. Performance measures should indicate progress toward meeting established goals, subgoals and milestones. The performance of NJDEP's compliance and enforcement program should be measured based upon whether the application of compliance and enforcement strategies results in the timely achievement, maintenance and improvement in compliance, thereby reducing the risks and impacts to human health, safety and natural resources posed by regulated activities. For example, the percentage of regulated entities in compliance or the relative compliance rate are appropriate indicators of performance. NJDEP and EPA will need to continue to work together to establish appropriate ways to more accurately measure the performance of the Compliance and Enforcement program. Efforts are underway by ECOS and EPA at the national level, as part of the implementation of the core accountability measures for the national enforcement and compliance assurance program, to develop better measures through pilot programs with States. The results of pilot programs and other efforts to better measure enforcement performance should be shared between NJDEP and EPA when available.

In SFY2002-2004, NJDEP will continue to provide EPA with facility specific inspection and enforcement data, including information pertaining to EPA's core accountability measures as agreed to by the region and the state, through EPA's national data bases (AIRS, RCRIS, PCS, SDWIS, etc.), as found in the applicable activity commitment tables of this PPA. Compliance and enforcement information for the NJPDES program is published annually in March in the Clean Water Enforcement Act Report. In addition, information regarding the use of injunctive relief, SEPs, and compliance assistance activities will be summarized in the Annual Performance Report as per NJDEP commitments for the accountability measures in the PPA.

Information Technology

NJDEP, Compliance & Enforcement has begun to phase in implementation of its Department-wide computer system, known as the New Jersey Environmental Management System (NJEMS), which will result in the uniform collection of information

across enforcement programs and by facility. This system will promote improved reporting and targeting.

NJDEP has also been posting information on its web site, such as Community Right-to-Know chemical inventory information, so that local officials and the public have easy access to important information.

Electronic reporting to NJDEP by subject facilities will continue to be a priority, to promote timely reporting and to enable NJDEP to quickly address violations.

State/County Partnerships

In SFY2002-2004, NJDEP will continue to rely on its county partners, the 19 county health departments certified by NJDEP pursuant to the County Environmental Health Act (CEHA), to assist it in inspecting facilities and investigating complaints that are relatively low in complexity. The CEHA regulations were amended in July 2000 to require counties to submit an annual plan that links their environmental priorities to the National Environmental Performance Partnership System (NEPPS) process and the NJDEP's Strategic Plan. These plans are used by NJDEP to determine which environmental activities it will fund in each participating county.

9. QUALITY ASSURANCE

Consistent with the time frame for this PPA, NJDEP's Quality Assurance program strategies and activities will be structured for a three-year period, covering state fiscal years 2002 through 2004. The current NJDEP Quality Management Plan (QMP) covers the period from July 1, 2000 through June 30, 2002. A new QMP will be developed for the second and succeeding years of the Agreement. NJDEP has agreed that the new QMP will incorporate all of the EPA requirements and will appropriately address issues concerning roles and responsibilities, and other areas that have been discussed with EPA. In addition, NJDEP will investigate ways to improve the QA activities reporting process to better describe what has been completed and what remains to be completed, along with relevant narratives. OQA will meet quarterly with the EPA Region 2 staff to discuss QA issues, including both programmatic and resource matters. In addition to the activities described in the QMP, selected quality assurance activities are also listed in the activity commitment tables of this PPA.

Goal/Indicator and Activity Commitment Table Key

A key to some of the major columns in the goal/indicator and activity commitment tables is as follows:

Goal/Indicator Table

Subgoal # - refers to listing of subgoals contained in Goal Area Introduction preceding tables

Indicator Type – 3 options: Cause, Condition or Response (see “Environmental Indicators” description in PPA Introduction for complete definition/explanation of these types)

Lead Org – Working Cost Center designation for Bureau/Unit primarily responsible for indicator development and maintenance (see Appendix B for complete listing of all WCCs)

Reporting Type – 3 options: CPM (core performance measure, required for reporting), Other Committed (not a CPM but still committed for reporting), Future Reporting (may be considered for reporting at a later date & time)

Activity Commitment Table

Phase # - refers to 1 of 4 “phases” of core activities in the environmental protection process (1. Data collection & assessment, 2. Strategic planning, 3. Strategy implementation, 4. Strategy evaluation)

Lead Org – same as Goal/Indicator Table

Reporting Type – 2 options: CPM (core performance measure) or Not CPM

M/O#(s) Supported – lists # of milestone/objective (from Goal/Indicator table) which activity commitment supports achievement of

CLEAN AIR

AIR QUALITY/GLOBAL CLIMATE CHANGE

Introduction

Air Quality and Global Climate Change in New Jersey

This section describes work which is related to public exposure to pollutants and other harmful material that moves through the air. In the previous PPA (FY99-00), this section also contained indicators and commitments for Pollution Prevention, Accidental Release Prevention, Radon, and Radiation. These are now found under the Safe & Healthy Communities Goal Area.

AIR QUALITY: The air in New Jersey is affected by many naturally occurring and manmade pollutants, and air quality in the state varies significantly depending on location, time and weather conditions. While there are no clear or fixed boundaries over which air quality can be described, geographic air sheds have been defined, primarily for the purpose of developing strategies to control air pollution. New Jersey is part of four major air sheds each of which is associated with a metropolitan area (New York, Philadelphia, Atlantic City and Allentown - Bethlehem). Within each air shed, air quality is affected both by local emissions and by pollution which is transported into the area by the prevailing winds. Transported pollution has a serious impact on New Jersey's air quality just as pollution from New Jersey affects areas downwind of it. NJDEP participates in many multi-state efforts to control this pollution. Within New Jersey itself, there are a wide variety of air pollution sources. These can generally be categorized as mobile sources (such as cars and trucks), stationary sources (such as chemical factories, sewage treatment plants, and utility power plants), and miscellaneous sources (such as use of consumer products, and home oil or wood combustion for heating). The pollutants emitted by these sources may also impact water quality and ecosystem health in this state if they are deposited on New Jersey's aquatic and terrestrial ecosystems.

ENERGY POLICY: Two-thirds of New Jersey's stationary source NOx emissions, close to half of its CO2 emissions, a majority of its SO2 emissions, and about 15% of the mercury emissions come from electricity generation. Energy generation, therefore, is a concern of the Clean Air Goal area and the Department has made promotion of energy efficiency and promotion of less-polluting energy generation (including renewable energy) a priority.

The New Jersey Energy Discount and Electric Competition Act of 1999 (the Restructuring Act) recognizes this fact. It establishes NJDEP as a consultant on environmental issues to the New Jersey Board of Public Utilities (NJBPU), in their implementation of the Act. There are four provisions in this Act that reinforce the links between energy and the environment. They include the societal benefits charge (SBC) program; the environmental

disclosure provisions; the Renewable Portfolio Standard (RPS) provisions; and net metering standards.

Combustion of fuel for transportation purposes is also a major contributor to air pollution in the state. Therefore, promoting the sale of clean fuels, and the reduction of fuel use through transportation alternatives and more efficient vehicles, are also priorities of the Department.

GLOBAL CLIMATE CHANGE: On April 17, 2000, the NJDEP released the *New Jersey Sustainability Greenhouse Gas Action Plan* (GHG Action Plan). The GHG Action Plan identifies the major sources of greenhouse gases (GHGs) by source and sector in 1990. More than 80% of the GHGs in New Jersey result from the combustion of fossil fuel to produce energy for heating, cooling, electricity and transportation.

The GHG Action Plan identifies "no regrets" strategies that will achieve the State's 3.5% reduction in New Jersey's GHG emissions below 1990 levels by 2005. "No regrets" strategies include actions that are currently readily available and that pay for themselves within the short term. In addition, they provide environmental benefits. The recommended strategies are organized under the following seven categories:

- Energy Conservation
- Innovative Technologies
- Pollution Prevention
- Waste Management - Recycling
- Natural Resources - Open Space
- Research
- Outreach and Education

The GHG Action Plan was endorsed by Governor Whitman in a press release with the Pew Center for Global Climate Change on Earth Day 2000. New Jersey is the first State to establish a Statewide goal for GHG reduction with milestones.

Key Air Quality & Global Climate Change Issues

In the NJDEP Strategic Plan, the key environmental issues related to the Clean Air Goal are identified as: 1) Exposure to air pollutants in excess of national standards; 2) Exposure to toxic air contaminants; 3) Air deposition; and 4) Global climate change. These issues plus some quality of life issues and a new set of objectives related to newly emerging energy issues are addressed here.

The following tables summarize the environmental indicators that will be used to measure progress toward meeting our NJDEP goals and subgoals for Clean Air and Global Climate

Change. These are found in the tables labeled "Milestone/Objectives and Indicators Table." A second set of tables lists many of the activities that will be carried out in FY02 through FY04 to move toward meeting the Air Quality and Global Climate Change Goals and Subgoals. These are labeled "Activities & Commitments Tables."

Clean Air

Goal: Ensure a high quality of life for the residents of New Jersey by preserving, sustaining, protecting, and enhancing the air environment. Air quality across the state should be healthful for all its citizens and of sufficient purity not to degrade the quality of life or cause undue economic loss.

Air Quality

Subgoals:

1. Bring the entire state into attainment for all criteria air pollutants and maintain air quality in areas already meeting health standards.
2. Minimize exposure to air toxics.
3. Reduce levels of air deposition.
4. Minimize the adverse effects of air pollution on the quality of life in New Jersey.
5. Ensure that the State's energy is generated, distributed and used in an environmentally sound manner.

Global Climate Change

Subgoals:

1. Reduce emissions of greenhouse gases (GHGs) in NJ

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Criteria Air Pollutants						
AQM - 1.0	Attain the 1-hour and 8-hour air quality standards for ozone statewide by 2007 (by 2005 in the south for 1-hour ozone).	AQI - 1.0	Periodic actual emission inventories for Volatile Organic Compounds (VOCs) and Oxides of Nitrogen (NOx) for 1999, 2002 and 2005.	Cause	ABN	DEP Network Files, NJEMS, Bureau PC Files	Other Committed
		AQI - 2.0	Projected emissions for VOC and NOx after SIP implementation.	Cause	ABN	Bureau PC Files	CPM-National
		AQI - 3.0	Ambient precursor levels.	Cause	ABQ	DEP Network, AIRS	CPM-National
		AQI - 4.0	Vehicle miles traveled.	Cause	ABN	Bureau PC Files, NJDOT	CPM-National
		AQI - 6.0	Annual Actual Precursor Emissions from Emission Statement Program.	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 8.0	Precursor emissions reductions due to energy conservation projects.	Cause	AHB	Hard Copy	CPM-NJ Nego'd
		AQI - 9.0	Summary data on ambient ozone levels including the number of exceedances of the health standards and the number of people exposed and duration.	Condition	ABQ	Bureau Data Acquisition System, AIRS	CPM-National
		AQI - 10.0	Emergency room admissions and mortality data for respiratory related illness.	Condition	RCA		Future Reporting
		AQI - 11.0	Status of motor vehicle control program including # of LEVs and ZEVs in fleet.	Response	ABP	DMV Data System	Other Committed
		AQI - 12.0	Energy usage reduction resulting from energy conservation projects.	Response	AHB	Hard Copy	CPM-NJ Nego'd
AQM - 2.0	Attain Carbon Monoxide (CO) Standards Statewide by 2002.	AQI - 13.0	Mobile source emissions inventory.	Cause	ABN	Bureau PC Files, DEP Network Files	Other Committed
		AQI - 14.0	CO actual emissions reported in the Emission Statements	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 15.0	Periodic actual emissions inventory for CO in 1999, 2002 and 2005	Cause	ABN	DEP Network Files	Other Committed
		AQI - 16.0	Vehicle miles traveled.	Cause	ABN	Bureau PC Files, NJDOT	CPM-National
		AQI - 17.0	Percentage of vehicles passing emission portion of inspection.	Cause	ABP	Contractor Data System	Other Committed
		AQI - 18.0	Summary data on ambient CO levels including any exceedances of the health standards.	Condition	ABQ	Bureau Data Acquisition System, AIRS	CPM-National
		AQI - 19.0	Status of implementation of Clean Fuel Fleet Program (by advanced technology vehicle component of the LEV program).	Response	ABP	Bureau PC Files	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
AQM - 3.0	Maintain current attainment status for inhalable particulate matter (PM10), and attain the new air quality standards for fine particulates (PM2.5) by 2007.	AQI - 20.0	TSP and PM-10 allowable emissions reported in NJEMS for new and modified sources receiving Preconstruction Permits.	Cause	FLB	NJEMS	Other Committed
		AQI - 21.0	TSP and PM-10 allowable emissions reported in NJEMS for existing sources at major facilities as Operating Permits are issued.	Cause	FLF	NJEMS	Other Committed
		AQI - 22.0	TSP and PM-10 actual emissions reported in Emissions Statements.	Cause	ABN	NJEMS	Other Committed
		AQI - 23.0	Fine particulate emission and precursor inventory.	Cause	ABN	NJEMS	Future Reporting
		AQI - 24.0	Summary data on TSP, PM-10 and PM2.5 levels including any exceedances of the health standards.	Condition	ABQ	DEP Network, AIRS	CPM-National
		AQI - 25.0	Summary data on composition of PM2.5.	Condition	ABQ	AIRS	CPM-National
		AQI - 26.0	Emergency room admissions and mortality data for respiratory related illness.	Condition	RCA		Future Reporting
AQM - 4.0	Maintain current attainment status for lead (Pb).	AQI - 27.0	Pb allowable emissions reported to NJEMS for new and modified sources receiving Preconstruction Permits.	Cause	FLB	NJEMS	Other Committed
		AQI - 28.0	Pb allowable emissions reported in NJEMS for existing sources at major facilities as Operating Permits are issued.	Cause	FLF	NJEMS	Other Committed
		AQI - 29.0	Pb actual emissions reported in Emissions Statements.	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 30.0	Summary data on ambient Pb levels including any exceedances of the health standard.	Condition	ABQ	DEP Network, AIRS	CPM-National
AQM - 5.0	Maintain current attainment status for nitrogen dioxide (NO2).	AQI - 31.0	NOx allowable emissions reported in NJEMS for new and modified sources receiving Preconstruction Permits..	Cause	FLB	NJEMS	Other Committed
		AQI - 32.0	NOx allowable emissions reported in NJEMS for existing sources at major facilities as Operating Permits are issued.	Cause	FLF	NJEMS	Other Committed
		AQI - 33.0	NOx actual emissions reported in Emission Statements.	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 34.0	Summary data of ambient NO, NO2 and NOx levels including any exceedances of the NO2 health standards.	Condition	ABQ	Bureau Data Acquisition System, AIRS	CPM-National
AQM - 6.0	Attain sulfur dioxide (SO2) standards statewide by 2002.	AQI - 35.0	SO2 allowable emissions reported in NJEMS for new and modified sources receiving Preconstruction Permits.	Cause	FLB	NJEMS	Other Committed
		AQI - 36.0	SO2 allowable emissions reported in NJEMS for existing sources at major facilities as Operating Permits are issued.	Cause	FLF	NJEMS	Other Committed
		AQI - 37.0	SO2 actual emissions reported in Emissions Statements.	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 38.0	Summary data on ambient SO2 levels including any exceedances of the health standards.	Condition	ABQ	Bureau Data Acquisition System, AIRS	CPM-National
AQM - 7.0	Alert public to unhealthy air quality conditions.	AQI - 39.0	Daily Air Quality Index (AQI) reports.	Condition	ABQ	Bureau PC's, Data Acquisition System	Other Committed
		AQI - 40.0	Health advisories.	Condition	ABQ	Bureau PC's	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 2 = Air Toxics						
AQM - 8.0	Continuous reduction in statewide exposures to air toxics as demonstrated by the triennial National Air Toxics Assessment	AQI - 41.0	Emissions of HAPs by Sector (Point, Area, On-road Mobile, Non-road Mobile).	Cause	FLD	NEI	Other Committed
		AQI - 42.0	Changes in HAP emissions by sector in 3-year increments.	Cause	FLD	NEI	CPM-National
		AQI - 43.0	# of HAPs exceeding Health Benchmarks (as predicted by NATA).	Condition	FLD	NATA	Other Committed
		AQI - 44.0	# of HAPs exceeding Health Benchmarks (as observed through air monitoring).	Condition	FLD	AIRS	Other Committed
		AQI - 45.0	# of people (as predicted by NATA) exposed above various benchmarks (as yet to be determined).	Condition	FLD	NATA	Other Committed
AQM - 9.0	By 2005, major industrial facilities will reduce air toxic emissions to meet national toxic emission (MACT) standards.	AQI - 46.0	Actual emissions from the Toxic Release Inventory (TRI) and from the Release and Pollution Prevention Report (RPPR).	Cause	FLD	TRI, RPPR	CPM-Negotiated
		AQI - 47.0	Trends in air toxic emissions from Electric Power sector as reported to TRI.	Cause	FLD	TRI	Other Committed
		AQI - 48.0	Actual emissions of HAPs reported in Emissions Statements.	Cause	ABN		Future Reporting
		AQI - 49.0	Summary data on ambient concentrations of selected HAPs.	Condition	ABQ	AIRS	Other Committed
		AQI - 50.0	Trends in emissions or use reduction reported by facilities submitting Release Pollution Prevention Reports.	Response	AHB	Hard Copy	Other Committed
		AQI - 51.0	Compliance certifications for MACT-affected sources which have received Operating Permits.	Response	LCF	Bureau PC Files	Other Committed
AQM - 10.0	Reduce toxics emissions from motor vehicles.	AQI - 52.0	Mobile source air toxics inventory.	Cause	FLD	NEI	Other Committed
		AQI - 53.0	Fleet average emission rates for selected air toxics.	Cause	FLD		Future Reporting
		AQI - 54.0	Ambient air concentrations of other toxics largely associated with mobile sources.	Condition	FLD	NATA	Other Committed
		AQI - 55.0	Number of HDV (heavy duty vehicles) inspected and pass/fail ratio for the emission test portion.	Response	ABP	DMV Files	Other Committed
AQM - 11.0	Identify and correct mercury problems related to air emissions.	AQI - 56.0	Status and trends of mercury loading to air from NJ point sources.	Cause	RCA	NJADN	Other Committed
		AQI - 57.0	Summary data on ambient mercury levels.	Condition	ABQ	Bureau Data Acquisition System, AIRS	Other Committed
		AQI - 58.0	Wet and dry deposition of mercury.	Condition	RCA	NJADN	Other Committed
		AQI - 59.0	Mercury emissions reduction resulting from implementation of Control and Prohibition of Mercury Emissions (NJAC 7:27-27).	Response	FLC	Hg Task Force Report	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
AQM - 12.0	Identify hotspots of exposure to air toxics and reduce emissions which lead to those exposure.	AQI - 60.0	Concentrations predicted by National Air Toxics Assessment (NATA).	Condition	FLD	NATA	Other Committed
		AQI - 61.0	Results of facility-wide risk assessment.	Condition	FLD	BAQE Summary Memos	Other Committed
		AQI - 62.0	Summary data on ambient concentrations of selected HAPs from short term monitoring studies in hotspot areas.	Condition	ABQ	AIRS	Other Committed
AQM - 13.0	By 2005, through pollution prevention techniques, industrial facilities will reduce the quantity of toxic chemicals generated as production related waste by 50% from 1993.	AQI - 63.0	Comparison of NJ pollution prevention trends compared to US pollution prevention trends.	Condition	AHB	Bureau PC Files	CPM-Negotiated
		AQI - 64.0	Changes in throughput/chemical use, nonproduct output & release of Hazardous substances on a statewide basis.	Response	AHB	DEP Network Files	CPM-Negotiated
	Subgoal 3 = Air Deposition						
AQM - 14.0	Reduce regional air deposition by implementing the federal acid rain program.	AQI - 65.0	Summary data on acidity and conductivity of precipitation.	Condition	ABQ	DEP Network Files	Other Committed
		AQI - 66.0	Emissions reduction as a result of implementation of NOx RACT (Reasonably Available Control Technology) rules.	Response	ABN	NJEMS, DEP Network Files	Other Committed
AQM - 15.0	By 2010, total air deposition loading to land and water in New Jersey will be reduced compared with 1998 levels.	AQI - 67.0	Total estimated load of air pollutants deposited in water bodies.	Cause	ABQ	National Air Deposition Inventory, NJADN, AIRS, TRI, RPRR, EPA Hg Report to Congress, Northeast Hg Report	Other Committed
		AQI - 68.0	Summary data on concentrations of selected ions in precipitation and particulates.	Condition	ABQ	Bureau PC's	CPM-National
		AQI - 69.0	Concentrations of analytes in water and soil at sensitive watershed.	Response			Future Reporting
	Subgoal 4 = Quality of Life						
AQM - 16.0	Protect visibility in a) the Brignatine National Wildlife Refuge (Class 1 Area), and b) selected urban areas.	AQI - 70.0	Actual emissions reported in Emissions Statements.	Cause	ABN	NJEMS, DEP Network Files	Other Committed
		AQI - 71.0	Emissions data from other states.	Cause	ABN	AIRS, DEP Network Files	Other Committed
		AQI - 72.0	Summary data on the levels and composition of PM2.5 in the Refuge.	Condition	ABQ	National Improve Database	Other Committed
		AQI - 73.0	Hourly photographs and pollution summaries of NY/NJ area posted to "CAMNET" regional website (www.hazecam.net).	Condition	ABQ	website: www.hazecam.net	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		AQI - 74.0	Number of PSD permit applications reviewed and coordinated with federal land manager.	Response	FLF	Quarterly Reports to Region 2	Other Committed
AQM - 17.0	Reduce nuisance complaints (primarily odors and soiling).	AQI - 75.0	Complaints received.	Cause	LCF	NJEMS	Other Committed
		AQI - 76.0	Inventory of odorous and corrosive substances.	Cause	LCF		Future Reporting
		AQI - 77.0	Summary data on Soiling Index (Smoke Shade) levels.	Condition	ABQ	Bureau Data Acquisition System	Other Committed
		AQI - 78.0	Number of complaints received/resolved.	Response	LCF	NJEMS	Other Committed
AQM - 18.0	Reduce cost of compliance with air quality standards.	AQI - 79.0	Cost to industry.	Response			Future Reporting
		AQI - 80.0	Impact of failure to make progress because it is too burdensome.	Response			Future Reporting
	Subgoal 5 = Energy Generation						
AQM - 19.0	Promote energy efficiency and renewable energy.	AQI - 81.0	Total energy consumed in the State, by sector (residential, commercial, industrial, transportation).	Response	RCD	NJ Utilities	Other Committed
		AQI - 82.0	Total energy used per year generated from renewable energy such as wind, solar, PV, geothermal by state facilities.	Response	RCB	NJ Utilities	Other Committed
		AQI - 83.0	MW-hrs of electricity sold in New Jersey each year from renewable energy sources (Class 1 and Class 2).	Response	ABM	Bureau PC Files	Other Committed
AQM - 20.0	Promote less-polluting energy generation: Reduce emissions (NOx, SO2, CO2, Hg) per MW-hr generated in New Jersey.	AQI - 84.0	Quantity of NOx and SO2 emissions generated in New Jersey from electric generation.	Cause	ABM	Bureau PC Files	Other Committed
		AQI - 85.0	Quantity of CO2 and Hg emission generated in New Jersey.	Cause	ABM	Bureau PC Files	Other Committed
AQM - 21.0	Integrate environmental protection, into implementation of the "Electric Discount and Energy competition Act."	AQI - 86.0	BPU progress toward adoption and implementation of final Renewable Portfolio Standards.	Response	ABM	BPU Files	Other Committed
		AQI - 87.0	BPU progress toward adoption and implementation of final Environmental Disclosure Standards.	Response	ABM	BPU Files	Other Committed
		AQI - 88.0	BPU progress toward adoption and implementation of final net metering standards.	Response	ABM	BPU Files	Other Committed
		AQI - 89.0	PJM ISO's development and implementation of a Tracking System.	Response	ABM	Bureau PC Files	Other Committed
		AQI - 90.0	Continued public availability of Energy Information Administration's data.	Response	ABM	Bureau PC Files	Other Committed
		AQI - 91.0	Progress of BPU in conducting comprehensive resource analysis.	Response	RCB	NJ BPU	Other Committed
AQM - 22.0	Promote less-polluting liquid fuel production in New Jersey.	AQI - 92.0	Low sulfur fuel production by of New Jersey refineries.	Response	ABM	Bureau PC Files	Other Committed
AQM - 23.0	Conserve and encourage liquid fuel efficiency.	AQI - 93.0	Average fuel consumption per Gross State Product as determined on annual data.	Cause	RCB	Bureau PC Files	Other Committed
		AQI - 94.0	Total VMT per year of cars, buses and trucks in New Jersey; also VMT per capita.	Cause	RCB	US EPA	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		AQI - 95.0	Number of "clean/less-polluting" vehicles purchased each year by state and local government, private entities, and citizens, and number in use.	Response	RCB	NJ Treasury	Other Committed
		AQI - 96.0	Average fuel mileage of NJ vehicle fleet, determined annually.	Cause	RCB	USEPA	Other Committed
		AQI - 97.0	Number of public transportation "rides" per person each year.	Response	RCB	NJ Transit	Other Committed
		AQI - 98.0	Number of energy efficient and alternate fuel vehicles in state fleet.	Response	RCB	NJ Treasury	Other Committed
	Subgoal 6 = Greenhouse Gases						
GCM - 1.0	Total amounts of NJ's GHG emissions will be reduced to 1990 levels by 2000. Levels in 2005 will be 3.5% below 1990 levels.	GCI - 1.0	Total amount of NJ GHG emissions using USDOE EIA Data or E-GRID data.	Cause	RCA	DOE, EPA	Other Committed
		GCI - 2.0	Annual measurement of sea level at Sandy Hook (including Coastal).	Condition	RCS	DEP	Other Committed
		GCI - 3.0	Annual mean air temperature at New Brunswick (including Coastal).	Condition	RCS	DEP	Other Committed
		GCI - 4.0	Number of days/year at New Brunswick with: 1) 2" or more of precipitation in a 24-hr. period 2) wind speeds >40 MPH (including Coastal).	Condition	RCS	DEP	Other Committed
		GCI - 5.0	Transportation tons of CO2 produced by cars, buses and trucks.	Cause	RCB	DOE, EPA	Other Committed
		GCI - 6.0	Average operating efficiency in existing vehicles.	Cause	ABP	EPA	Other Committed
		GCI - 7.0	Percentage of commutation by public transportation.	Response	ABP	DOT	Other Committed
		GCI - 8.0	Number of personnel vehicles powered by alternate fuels (electric, fuel cells and/or hybrids).	Response	ABP	BPU	Other Committed
		GCI - 9.0	Number of buses powered by alternate fuels.	Response	ABP	BPU/NJ Transit	Other Committed
		GCI - 10.0	Percentage of telecommuting by NJ workforce.	Response	ABP	Dept. of Labor	Other Committed
		GCI - 11.0	Government Operations: A. Tons of CO2 produced by operating state facilities and state vehicles B. Avoided tons of CO2 equivalents from MSW recycling & CH4 vented by landfills.	Cause	RCB	NJ Treasury, SHD	Other Committed
		GCI - 12.0	Track total energy usage in state buildings.	Response	RCB	NJ Treasury	Other Committed
		GCI - 13.0	State's Green Power set-aside (Goal increase from 15% to 25%).	Response	RCB	NJ Treasury	Other Committed
		GCI - 14.0	Percentage of State participation in Energy Star buildings.	Response	RCB	NJ Treasury	Other Committed
		GCI - 15.0	Percentage of State government buildings benchmarked in EPA Energy Star Program annually. (Goal 10% per year)	Response	RCB	NJ Treasury	Other Committed
		GCI - 16.0	Percentage of renewable energy such as wind, solar, PV, geothermal in state facilities. (Goal 5% per year)	Response	RCB	NJ Treasury	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		GCI - 17.0	Number of energy efficient and alternate fuel vehicles in state fleet.	Response	RCB	NJ Treasury	Other Committed
		GCI - 18.0	Amount of CH4 captured for power generation in amount of CO2 equivalents avoided. (Goal: increase by 50%)	Cause	SHD	SHD	Other Committed
		GCI - 19.0	CO2 equivalents avoided through increased MSW plastic recycling. (Goal: increase by 10%)	Cause	SHE	SHE	Other Committed
		GCI - 20.0	Residential Housing: Tons of CO2 produced by heating and air conditioning in private residences.	Cause	RCB	DOE/EPA	Other Committed
		GCI - 21.0	Number of homes increasing insulation and use of energy efficient building materials and Energy Star.	Response	RCB	Utilities	Other Committed
		GCI - 22.0	Number of new and replacement appliances (hot water heaters, refrigerators, furnaces, air conditioners) meeting EPA Energy Star performance label.	Response	RCB	Utilities	Other Committed
		GCI - 23.0	Number of tree plantings providing shade to reduce energy consumption.	Response	GAA	GAA	Other Committed
		GCI - 24.0	Track Tons of CO2 emissions by energy use in commercial buildings.	Cause	RCB	DOE/EPA	Other Committed
		GCI - 25.0	Track tons of CO2 emissions released in industrial operations.	Cause	RCB	DOE/EPA	Other Committed
		GCI - 26.0	Actual emissions of GHG reported in Emission Statements.	Cause	ABN	FLF	Other Committed
		GCI - 27.0	Number of participants in EPA Energy Star partnerships greenlights and wastewise programs.	Response	RCB	RCB	Other Committed
		GCI - 28.0	Agriculture: Avoided tons of CO2 from open space conservatoin/land use.	Cause	GAA	GAA	Future Reporting
GCM - 2.0	By 2005, through promotion of redesign of products and training in the use of cleaner technologies, there will be a 25% increase in clean technologies for members of the NJ Energy Star program partnership, Silver & Gold Track Companies, Greenhouse Gas Covenant Companies, NJ Colleges & Universities, and K-12 schools and hospitals.	GCI - 29.0	Numbers of participants in Energy Star Partnership and Silver & Gold Track programs, and the number of signatories to the Greenhouse Gas Covenant (companies, NJ Colleges & Universities, K-12 schools, hospitals, etc). Process improvements or clean technologies, substitutions and associated reductions in emissions to all media from participants in these programs.	Response	RCB	RCB	CPM-Negotiated
	Increase/enhance public education and outreach efforts on sea level rise and other GHG issues.	GCI - 30.0	Completion of Greenhouse Gas educational display.	Response	RCB	RCB	Other Committed
		GCI - 31.0	Number of meetings attended and organized with Greenhouse Gas educational display.	Response	RCB	RCB	Other Committed
		GCI - 32.0	Number of community groups and schools visited to discuss climate change and sea level rise.	Response	RCS	RCB	Other Committed
GCM - 3.0	By 2012, increase the Class I renewable energies to 4% of total energy sold in the state (Per Board of Public Utilities draft Renewable Portfolio Standards).	GCI - 33.0	Use of Class I renewable energy and green power in all sectors including commercial residential, small & large industry, agricultural & governmental.	Response	RCB	Utilities	Other Committed

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
			GCI -	34.0	The state total KW used supplied by Class 1 renewable energy technologies - and the associated reduction in CO2 equivalents.	Response	RCB	Utilities	Other Committed

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Phase 1 = Data Collection & Assessment								
1	Ambient & Facility Monitoring	AQC - 1.0	Ambient Monitoring - Operate and maintain the state's ambient air monitoring network.	ABQ	Federal - PPG	State - General Fund	CPM-National	NEPPS Annual Performance Report	AQM 1-7
1	Ambient & Facility Monitoring	AQC - 2.0	Ambient Monitoring - Participate in Annual Network Review. Provide technical support and conduct performance audits.	EPA				Individual Project Reports	AQM 1-7
1	Ambient & Facility Monitoring	AQC - 3.0	Ambient Monitoring - Conduct an assessment of all air monitoring activities. Work with the region to implement changes that will better address current National and State priorities.	ABQ	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1-7
1	Ambient & Facility Monitoring	AQC - 4.0	Photochemical Assessment Monitoring (PAMS) Continue to implement PAMS program.	ABQ	Federal - PPG	State - General Fund	CPM-National	Environmental Indicators Technical Report	AQM 1
1	Ambient & Facility Monitoring	AQC - 5.0	Photochemical Assessment Monitoring (PAMS) Provide technical support and QA samples for program.	EPA					AQM 1
1	Planning	AQC - 6.0	Emission Inventory - Emission Inventory - Continue to collect Emission Statements on an annual basis.	ABN	State - General Fund		Not CPM	Individual Project Reports	AQM 1-7
1	Planning	AQC - 7.0	Emission Inventory - Continue to develop periodic emission inventories every three years, e.g., 1999, 2002.	ABN	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1
1	Planning	AQC - 8.0	Emission Inventory - Expand existing emission inventory development to include a subset of greenhouse gases (GHG's) and air toxics.	ABN	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 8, GCM 8
1	Planning	AQC - 9.0	Emission Inventory - Provide technical support on updates to inventory techniques and emission factors including greenhouse gases and toxic air pollutants.	EPP			Not CPM	Other	AQM 8, GCM 1
1	Planning	AQC - 10.0	Emission Inventory - Work with EPA Headquarters to finalize the USEPA Non-Road model for SIP purposes.	EPA			Not CPM	Other	AQM 1
1	Planning	AQC - 11.0	Emission Inventory - Work with EPA Headquarters to finalize the USEPA MOBILE6 model for SIP purposes.	EPA			Not CPM	Other	AQM 1, 2
1	Planning	AQC - 12.0	Emission Inventory - Work with EPA Headquarters to update the USEPA MOBILE6 model to provide estimates of greenhouse gases and toxic air pollutants.	EPA			Not CPM	Other	AQM 8, GCM 1
1	Planning	AQC - 13.0	Emission Inventory - Meet with DEP annually to discuss inventory issues.	EPP			Not CPM	Other	AQM 1-8
1	Data Management	AQC - 14.0	Emission Inventory - Submit NJ - specific data to EPA for use in the 1999 National Air Toxics Inventory.	FLD	Federal - PPG	State - General Fund	CPM-National	Goal Area Strategic Quarterly Progress Report	AQM 8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Ambient & Facility Monitoring	AQC - 15.0	Stack Testing and Continuous Emission Monitoring System (CEMS) - Oversee compliance monitoring and CEMS audits. Submit ad hoc reports on CEM audit to Region 2 as completed.	FLE	Federal - PPG	State - General Fund	CPM-National	Individual Project Reports	AQM 1-6, 9, 12
1	Ambient & Facility Monitoring	AQC - 16.0	Stack Testing and Continuous Emissions Monitoring System (CEMS) - Perform Quality Assurance (QA) and Quality Control (QC) on stack tests and CEMS (protocols, observations and report reviews) to assure validity of compliance test data.	FLE	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1-6, 9, 12
1	Ambient & Facility Monitoring	AQC - 17.0	Stack Testing and Continuous Emission Monitoring System (CEMS) - Share in reviews of Title IV CEMS plans and audits.	EPA					
1	Quality Assurance/Quality Control	AQC - 18.0	Quality Assurance (QA) and Quality Control (QC) - Continue to implement sound QA/QC program for all air program measurement systems including air monitoring, emissions inventory and permit compliance monitoring.	ABQ	Federal - PPG	State - General Fund	CPM-National	Individual Project Reports	AQM 1-7
1	Quality Assurance/Quality Control	AQC - 19.0	Quality Assurance (QA) and Quality Control (QC) - Provide Technical support and regional standards including reference photometer.	EPA					AQM 1-7
1	Planning	AQC - 20.0	Attainment Assessment - Evaluate 8-hour ozone concentrations.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1
1	Planning	AQC - 21.0	Attainment Assessment - For ozone, provide final guidance, and opportunity to comment on draft guidance. Administrator approval of designation for 8-hour ozone.	EPA					AQM 1
1	Planning	AQC - 22.0	Ozone Attainment - 1 Hour - Evaluate progress in attaining the 1-hour ozone standard (SFY02).	ABN	Federal - PPG	State - PPG Match	Not CPM	NEPPS Annual Performance Report	AQM 1
1	Planning	AQC - 23.0	Ozone Attainment - 1 Hour - Provide guidance on midcourse review.	EPP			Not CPM	Other	AQM 1
1	Data Management	AQC - 24.0	Compliance/Enforcement information - Maintain facility specific inspection records and compliance histories.	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 12
1	Ambient & Facility Monitoring	AQC - 25.0	Air Deposition Project - Fund a 9 site network to measure air deposition in rain and in air particulates.	RCA	State - General Fund	Federal - PPG	Not CPM	Individual Project Reports	AQM 5, 11, 15
1	Data Management	AQC - 26.0	Air Deposition Project - Funding Support. Collaboration on data interpretation.	EPA					AQM 15
1	Research	AQC - 27.0	Coordinate with NEPPS Land and Natural Resources Workgroup (see Forestry Indicators) on the following projects: 1. Jersey City Forestry Project, 2. Forest Health Monitoring Program.	RCA	State - Other		Not CPM	Individual Project Reports	AQM 1, 5, 6

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Ambient & Facility Monitoring	AQC -	28.0	Fine Particle (PM2.5) Monitoring - Continue to operate the fine particle mass monitoring program. Complete fine particle speciation and continuous monitoring networks.	ABQ	Federal - EPA Other		CPM-National	NEPPS Annual Performance Report	AQM 3
1	Ambient & Facility Monitoring	AQC -	29.0	Air Toxics Monitoring - Implement state air toxics monitoring initiative and coordinate with the National toxics monitoring program.	ABQ	State - General Fund	Federal - PPG	CPM-National	NEPPS Annual Performance Report	AQM 8
1	Planning	AQC -	30.0	NJDEP will assess the products of the NJCRP for their implications for goals, objectives, milestones, indicators and activity commitments of this goal area, and incorporate any needed changes into the 2002 annual review of the PPA.	ABQ	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-18
1	Ambient & Facility Monitoring	AQC -	31.0	Evaluate EPA draft guidance on short-term (5-minutes) SO2 monitoring and explore opportunities for implementation.	ABQ	Federal - PPG	State - General Fund	Not CPM	Other	AQM 6
1	Research	AQC -	32.0	Identify and analyze odorous compounds in biosolids.	FDE	Federal - EPA Other		Not CPM	Individual Project Reports	AQM 17
2	Phase 2 = Strategic Planning									
2	Planning	AQC -	33.0	State Implementation Plan - Ozone - 1 Hour - Evaluate Reasonable Available Control Measures (RACMs) and submit to the USEPA. (SFY 02).	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1
2	Planning	AQC -	34.0	State Implementation Plan - Ozone - 1 Hour - Complete a demonstration and rules to address the USEPA identified shortfall.	ABN	Federal - PPG	State - PPG Match	Not CPM	NEPPS Annual Performance Report	AQM 1
2	Planning	AQC -	35.0	State Implementation Plan - Ozone - 1 Hour - Review, determine adequacy, and take action on the updated transportation conformity budgets.	EPP			Not CPM	Other	AQM 1
2	Planning	AQC -	36.0	State Implementation Plan - Ozone - 1 Hour - Review and take necessary actions on the RACM analysis, Enhanced I/M program, and shortfall measure SIP revisions, resulting in approval of the New Jersey 1-Hour Ozone Attainment Demonstration SIP.	EPP			Not CPM	Other	AQM 1
2	Planning	AQC -	37.0	Reduce Regional Transport of Ozone and its Precursors - Implement the USEPA NOx SIP call. Provide NJDEP with an annual report on the compliance status of the upwind states.	EPP			Not CPM	Other	AQM 1
2	Planning	AQC -	38.0	Reduce Regional Transport of Ozone and its Precursors - Review and take the necessary action on the New Jersey Section 126 Petition.	EPA				Other	AQM 1
2	Planning	AQC -	39.0	Reduce Regional Transport of Ozone and its Precursors - Implement Section 126 permit limits beginning in 2003.	EPA				Other	AQM 1

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
2	Planning	AQC - 40.0	State Implementation Plan - Ozone - 8 Hour - Continue to work with the USEPA on 8-hour ozone designation process.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1
2	Planning	AQC - 41.0	State Implementation Plan - Ozone - 8 Hour - Begin development of the 8-hour ozone attainment demonstration.	ABN	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1
2	Planning	AQC - 42.0	State Implementation Plan - Ozone - 8 Hour - Take action needed to designate areas considering: (1) source receptor relationship and area of influence and area of violation concepts and (2) the severity of the exceedences.	EPP				Other	AQM 1
2	Planning	AQC - 43.0	State Implementation Plan - Ozone - 8 Hour - Work with EPA Headquarters to resolve implementation issues identified by the Courts.	EPA			Not CPM	Other	AQM 1
2	Planning	AQC - 44.0	State Implementation Plan - When EPA finalizes revised NSR rules, DEP will propose revisions for necessary changes to the NJ SIP within one year.	FLA	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 1-7
2	Ambient & Facility Monitoring	AQC - 45.0	Begin to implement the new fine particulate (PM2.5) NAAQS - Analyze nature and extent of compliance with standards.	ABQ	Federal - EPA Other	Federal - PPG	Not CPM	NEPPS Annual Performance Report	AQM 3
2	Planning	AQC - 46.0	State Implementation Plan (PM2.5) Provide opportunities for stakeholder input	EPP				Other	AQM 3
2	Planning	AQC - 47.0	State Implementation Plan - PM2.5 - Take action to designate areas considering: (1) source receptor relationship and area of influence and area of violation concepts and (2) the severity of the exceedences.	EPP				Other	AQM 3
2	Planning	AQC - 48.0	State Implementation Plan - PM2.5 - Begin development of the attainment demonstration.	ABN	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 3
2	Planning	AQC - 49.0	State Implementation Plan - PM2.5 - Work with EPA Headquarters to resolve implementation issues identified by the Courts.	EPA				Other	AQM 3
2	Planning	AQC - 50.0	State Implementation Plan - PM2.5 - Work with EPA Headquarters to issue guidance and rules governing the designation process and implementation issues.	EPA				Other	AQM 3
2	Planning	AQC - 51.0	State Implementation Plan - PM2.5 - Participate in NESCAUM initiative to evaluate multi-pollutant long range transport.	ABN	State - Other	Federal - EPA Other		Other	AQM 3

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Planning	AQC -	52.0	State Implementation Plan - PM2.5 - Contingent on funding approval, participate with New York state in developing air quality modeling capability to assess the impacts of regional transport of fine particulates.	ABN	State - Other	Federal - EPA Other		Other	AQM 3
2	Planning	AQC -	53.0	State Implementation Plan - PM2.5 - Participate in the FACA process.	ABN	State - Other	Federal - EPA Other		Other	AQM 3
2	Ambient & Facility Monitoring	AQC -	54.0	State Implementation Plan - PM2.5 - Technical support and guidance documents on PM2.5 measurements. Provide opportunity to comment on draft guidance.	EPA					AQM 3
2	Planning	AQC -	55.0	State Implementation Plan - Regional Haze - Submit commitment SIP, including BART source analysis.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 3, 16
2	Planning	AQC -	56.0	State Implementation Plan - Regional Haze - Continue to provide funding to the OTC Regional Planning Organization (RPO). Assist in facilitating a stakeholder process.	EPP			Not CPM	Other	AQM 3, 16
2	Planning	AQC -	57.0	State Implementation Plan - Regional Haze - Provide technical and policy guidance and participate in RPO activities.	EPP			Not CPM	Other	AQM 3, 16
2	Staff Training & Development	AQC -	58.0	CAA Training - Send staff to APTI and MARAMA training. Provide In-house training opportunities.	ABL	Federal - PPG	State - General Fund		Other	AQM 1-18
2	Staff Training & Development	AQC -	59.0	CAA Training - Provide training opportunities.	EPA					
2	Planning	AQC -	60.0	Regional Support - Participate in and support activities of multistate organizations, e.g., STAPPA, OTC, NESCAUM, MARAMA.	ABL	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-18
2	Planning	AQC -	61.0	Regional Support - Participate in and support regional organizations including: OTC, STAPPA, NESCAUM, MARAMA where appropriate.	EPP				Other	
2	Program Development	AQC -	62.0	Facility wide risk evaluation tool development.	FLD	Federal - PPG	State - General Fund	Not CPM	Other	AQM 12
2	Program Development	AQC -	63.0	Community wide risk evaluation pilot project.	RCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 12
2	Rule Development	AQC -	64.0	Heavy Duty Diesel Vehicle Program - Revise regulations defining test procedures and standards to determine whether a vehicle has passed or failed an inspection.	ABM	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 1, 2, 3
2	Rule Development	AQC -	65.0	Adopt NTE standards to establish more stringent standards for heavy duty diesel vehicles in 2005 and 2008.	ABM	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 1, 2, 3

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Technical Assistance	AQC - 66.0	Advise BPU on its commitment to utilize \$289 million of Societal Benefit Charge monies to fund new energy efficiency projects and assist them in administering/implementing programs which will realize conservation over the next three years.	RCB	State - General Fund		Not CPM	Individual Project Reports	AQM 19
2	Rule Development	AQC - 67.0	By 2002, promulgate rules based on OTC Resolution providing incentives for clean distributed generation and disincentives for non-clean distributed generation.	ABM	State - General Fund		Not CPM	New Jersey Register	AQM 20
2	Technical Assistance	AQC - 68.0	Explore the feasibility of adopting a four pollutant control strategy for electric generators.	ABL	State - General Fund		Not CPM	Other	AQM 20
2	Technical Assistance	AQC - 69.0	Advise BPU on its commitment to utilize \$ 69 million of Societal Benefit Charge monies to fund new renewable energy and assist them in acquiring new renewables capacity over the next three years.	RCB	State - General Fund		Not CPM	Other	AQM 21
2	Rule Development	AQC - 70.0	Amend Emission Statement Rules to provide for annual reporting of CO2 emissions from major sources.	ABM	State - General Fund		Not CPM	New Jersey Register	AQM 23
3	Phase 3 = Strategy Implementation								
3	PPA Preparation & Maintenance	AQC - 71.0	NEPPS - Continue to develop quantitative milestones. Develop and improve indicators.	ABL	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-18
3	PPA Preparation & Maintenance	AQC - 72.0	NEPPS - Participate in PPA process.	EPA					
3	Rule Development	AQC - 73.0	Promulgate rules consistent with SIP strategies and state initiatives.	ABM	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 23
3	Rule Development	AQC - 74.0	Develop and implement an interstate reciprocity system for innovative technology and regulatory acceptance (May 1998).	RCB	Federal - EPA Other		Not CPM	Other	AQM 1-6, 9
3	Rule Development	AQC - 75.0	Comment on and support draft rule making, provide technical/policy support and provide the opportunity for the state to participate in national work groups.	EPA					
3	Program Implementation	AQC - 76.0	State I/M Program - Oversee the DMV auditing of private inspection centers/facilities. In addition conduct audits of the centralized inspection system.	ABP	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2
3	Program Implementation	AQC - 77.0	State I/M Program - Contingent on funding approval, subsidize the acquisition of a repair technician skills inventory in order to better direct training and support of the auto repair community.	ABP	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Program Implementation	AQC - 78.0	State I/M Program - Submit semi-annual, annual, NHSDA and METT Inspection/Maintenance Reports.	ABP	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2
3	Data Analysis & Reporting	AQC - 79.0	Enhanced I/M Program - Submit Annual Report.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2
3	Data Analysis & Reporting	AQC - 80.0	Enhanced I/M Program - Submit Biennial Evaluation (SFY03).	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2
3	Planning	AQC - 81.0	Motor Vehicle Data - Continue to work with DOT, DMV, OIT to periodically update vehicle registration data and other data needed for MOBILE6.	ABN	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1, 2
3	Planning	AQC - 82.0	Motor Vehicle Data - Provide Technical support and data needs; assist in evaluating available data.	EPP				Other	AQM 1, 2
3	Technical Assistance	AQC - 83.0	State I/M Program - Provide technical support and guidance.	EPA					AQM 1, 2
3	Data Analysis & Reporting	AQC - 84.0	State Implementation Plan - Enhanced I/M Program - Submit National Highway System Designation Act (NHSDA) evaluation and revised performance standard modeling (SFY02).	ABN	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1, 2
3	Planning	AQC - 85.0	State Implementation Plan - Enhanced I/M Program - Submit SIP Revision incorporating the Onboard Diagnostic (OBD) Inspection component.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 1, 2
3	Planning	AQC - 86.0	State Implementation Plan - Enhanced I/M Program - Review and take necessary action to approve the Enhanced I/M SIP.	EPP				Other	AQM 1, 2
3	Planning	AQC - 87.0	State Implementation Plan - Enhanced I/M Program - Provide Technical support and guidance; participate in implementation workgroups.	EPP				Other	AQM 1, 2
3	Planning	AQC - 88.0	Motor Vehicle Emission Budgets - Provide MOBILE6 Training Opportunities.	EPA				Other	AQM 1, 2
3	Planning	AQC - 89.0	Motor Vehicle Emission Budgets - Update transportation conformity budgets using the MOBILE6 Emission Factor Model (SFY03).	ABN	Federal - PPG	State - PPG Match	Not CPM	Other	AQM 1, 2
3	Planning	AQC - 90.0	Motor Vehicle Emission Budgets - Review, determine adequacy, and take action on the updated transportation conformity budgets.	EPP				Other	AQM 1, 2

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Planning	AQC - 91.0	Federal Control Measures - Continue to implement federal control programs providing equivalent or better emission reductions. These programs include but are not limited to: reformulated gasoline, motor vehicle standards, diesel vehicle standards and fuels, and nonroad programs.	EPA				Other	AQM 1, 2
3	Technical Assistance	AQC - 92.0	Develop and provide assistance to small business as required by the Clean Air Act Amendments. Provide annual report to EPA Region 2 each June. Provide annual report to EPA Headquarters in December/January.	AHB	State - Other		Not CPM	Other	AQM 1-6, 9, 11, 17
3	Program Implementation	AQC - 93.0	Market Based Initiatives - Revised OMET program to address SIP approval conditions identified by EPA and, as appropriate, the new (January 2001) EPA Economic Incentive Program guidance.	ABM	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 1
3	Planning	AQC - 94.0	NOx Budget Program - Continue to implement the New Jersey NOx Budget Rule - Annual Allowance Allocation.	ABN	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1
3	Planning	AQC - 95.0	NOx Budget Program - Continue to provide allowance and emissions tracking systems.	EPA				Other	AQM 1
3	Program Implementation	AQC - 96.0	Market Based Initiatives - Implement CEM portion of the NOx Budget program.	FLE	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1, 5
3	Program Implementation	AQC - 97.0	Market Based Initiatives - Establish an IET data verification and performance certification program to assist in meeting air milestones/objectives (May 1998).	RCB	Federal - EPA Other			Other	AQM 1-6, 9
3	Technical Assistance	AQC - 98.0	Market Based Initiatives - Fund interstate workgroup. Provide policy guidance. Provide guidance for emission quantification. Develop tracking system to support NOx budget program.	EPA					
3	Planning	AQC - 99.0	Work with PADEP and Regions 2 and 3 to ensure reductions in emissions from power plant.	FLA	Federal - PPG	State - General Fund	Not CPM	Goal Area Environmental Progress Briefing	AQM 6
3	Planning	AQC - 100.0	Martin's Creek power plant model compliance study. Work with EPA Region 3 to advocate actions in Pennsylvania relative to the Martin's Creek power plant model compliance study. Work with NJDEP PA DEP and Region 3 to obtain enforceable emission reductions from power plants predicted to cause high SO2 levels in NJ.	EPA					AQM 6
3	Planning	AQC - 101.0	Submit - SO2 redesignation request and maintenance plan.	ABN	Federal - PPG	State - General Fund	Not CPM	Individual Project Reports	AQM 6

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Planning	AQC - 102.0	Upon receipt of SO2 designation request from the state, review, analyze and take necessary action on the redesignation request.	EPA					AQM 6
3	Planning	AQC - 103.0	Prepare submit and comment on 8-hour ozone designation and boundary definitions.	ABN	Federal – PPG	State – General Fund	Not CPM	Individual Project Reports	AQM 1
3	Planning	AQC - 104.0	Designation/Redesignation - Submit CO designation request and maintenance plan (SFY02).	ABN	Federal – PPG	State – General Fund	Not CPM	Individual Project Reports	AQM 2
3	Planning	AQC - 105.0	Upon receipt of CO redesignation request from the state, review, analyze and take necessary action on the redesignation request.	EPA					AQM 2
3	Education & Outreach	AQC - 106.0	Program Web pages.	ABL	Federal – PPG	State – General Fund	Not CPM	Other	
3	Education & Outreach	AQC - 107.0	NSR Permitting workshops.	FLB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-7, 9, 12
3	Education & Outreach	AQC - 108.0	SBAP provides a list of qualified auditors and selecting a consultant for small business brochure to small businesses via hard copy and DEP Website.	AHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9, 11, 17
3	Education & Outreach	AQC - 109.0	SBAP provides a "Small Business Directory of Information" to small businesses via hard copy and DEP Website.	AHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9, 11, 17
3	Education & Outreach	AQC - 110.0	SBAP sponsors downlink sites in NJ for EPA teleconferences, as scheduled.	AHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9, 11, 17
3	Education & Outreach	AQC - 111.0	SBAP provides talks and speaking engagements for trade and business groups etc.	AHB	Federal – PPG	State – General Fund	Not CPM	Individual Project Reports	AQM 1-6, 9, 11, 17
3	Education & Outreach	AQC - 112.0	SBAP works with BNSR to develop general permits (Workgroup meets bi-monthly).	AHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9, 11, 17
3	Education & Outreach	AQC - 113.0	Training applicants in use of RADIUS.	FLB	Federal – PPG	State – General Fund	Not CPM	Other	AQM 1-6, 9, 12
3	Education & Outreach	AQC - 114.0	Operating Permits helpline (609-633-8248).	FLF	Federal – PPG	State – General Fund	Not CPM	Other	AQM 1-6, 9, 12
3	Program Implementation	AQC - 115.0	Tasks related to implementation of the Heavy Duty Diesel Inspection/Maintenance Program: a. Process diesel road team pilot testing data and collect and process raw data from routine tests, b. Develop appropriate smoke opacity meter auditing methods, c. enhance auditing of licensed Diesel Emissions Inspections Centers, d. make available an interim referee service which will allow a third party determination of vehicle compliance.	ABP	Federal – PPG	State – General Fund	Not CPM	Individual Project Reports	AQM 1, 2, 3

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Permitting	AQC - 116.0	Review newly constructed, reconstructed, and modified air pollution sources to ensure they comply with state and federal regulations. Prepare and review modeling and risk assessments. Incorporate Title IV requirement into permits.	FLB	Federal - PPG	State - General Fund	Not CPM	Doria Report	AQM 1-6, 9, 11, 12, 14
3	Permitting	AQC - 117.0	Provide Region 2 with a semi-annual report listing PSD permits issued, non-attainment permit issued and Title IV applicability determinators.	FLC	Federal - PPG	State - General Fund	CPM-National	EPA Semi-Annual Report	AQM 1-6, 9, 11, 12, 14
3	Permitting	AQC - 118.0	Develop General Operating Permits for dry cleaners (FY02) and degreasing (FY03).	FLB	Federal - PPG	State - General Fund	Not CPM	New Jersey Register	AQM 1, 9
3	Permitting	AQC - 119.0	Develop standard permit conditions for other area source MACT categories (start FY02 and complete FY03).	FLB	Federal - PPG	State - General Fund	Not CPM	Other	AQM 9
3	Permitting	AQC - 120.0	Implement an operating permit program, consistent with approved "Interim" program.	FLF	State - Other		Not CPM	Goal Area Strategic Quarterly Progress Report	AQM 1-6, 9, 14
3	Permitting	AQC - 121.0	By 10/31/01, NJDEP will provide EPA an overall projection for completion of the issuance of initial operating permits. Following receipt of this schedule, NJDEP and EPA will continue to negotiate appropriate rates of progress. By 9/30 of each year, starting in 2002, NJDEP will provide: status report on progress over the last SFY; explanation of efforts to achieve or better the projected completion date; & a detailed schedule for initial permit issuance for the current SFY. By 12/31/01, NJDEP will provide a detailed schedule for the last 6 months of SFY2001.	FLF	State - Other			Other	AQM 1-6, 9, 14

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
3	Permitting	AQC -	122.0	Annually update the plan for issuing remaining initial operating permits. Submit plan to Region 2 by the end of each calendar year	FLF	State – Other		Not CPM	Other	AQM 1-6, 9, 14
3	Permitting	AQC -	123.0	Implement the final operating permit program consistent with EPA final approval (expected December 2001). Report number of Operating Permits issued via Bureau of Operating Permits Monthly Report.	FLF	State – Bond Fund		CPM-National	Goal Area Strategic Quarterly Progress Report	AQM 1-6, 9, 14
3	Program Implementation	AQC -	124.0	MACT Delegation: Send letter to Region 2 requesting phased - in delegation of Area Source MACT Standards. Implementation of new and modified sources will begin within 3 months of completion of each of the General Permits and Standard Permit Conditions described in AQC-76.2 and 76.3. Implementation for existing sources will begin when Operating Permit application are submitted in December 2004.	FLB	State – General Fund		Not CPM	Other	AQM 9
3	CEHA Oversight	AQC -	125.0	Oversee inspection of gas stations, dry cleaners, auto service stations, and other minor sources performed by certified local health agencies pursuant to the County Environmental Health Act; oversee complaint referrals; initiate enforcement actions as appropriate for violations referred by certified agencies.	LDH	Federal – PPG	State – General Fund	Not CPM	Other	AQM 1-6
3	CEHA Oversight	AQC -	126.0	Provide training for local inspectors.	LDH	Federal – PPG	State – General Fund	Not CPM	Other	AQM 1-6
3	Compliance Evaluation	AQC -	127.0	By 9/1/01, submit to EPA a draft 2 yr (10/1/01-9/20/03) Compliance Monitoring Strategy (CMS) which should include Full Compliance Evaluations (FCEs) of select major sources & synthetic minor sources with potential to emit at or above 80% of Title V major source threshold; & minor sources as deemed appropriate by NJDEP. Frequencies of CMS activities at these facilities shall be consistent with the negotiated and agreed CMS plan. On-site inspections should be conducted, at a minimum, 1x/5yrs at all Title V major sources & all synthetic minor sources with potential to emit at or above 80% of Title V major source threshold. Efforts will be made by DEP & EPA to focus on both State and EPA MOA priority initiatives. Examples: facilities in geographic areas with high rates of air contaminant release based on TRI reporting or in national/regional priority sectors.	LCA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Compliance Evaluation	AQC -	128.0	Include and report as inspections the four levels of compliance monitoring as provided in the federal Compliance Monitoring Strategy document to include on-site inspections, full compliance evaluations, partial compliance evaluations and investigations.	LCA	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-8, 9
3	Compliance Evaluation	AQC -	129.0	Information will be reported to EPA via AIRS. Funding will be used by DEP to develop and implement a mechanism to input the necessary information into AIRS by 6/30/01.	LCA	Federal - PPG	State - General Fund	CPM-Negotiated	Other	AQM 1-6, 9
3	Compliance Evaluation	AQC -	130.0	Meet with EPA to discuss development and implementation of the CMS. Meet with EPA to discuss any updates or modification to the CMS as needed.	LCA	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6, 9
3	Compliance Evaluation	AQC -	131.0	Review all notifications, annual compliance certifications, semi-annual and periodic monitoring reports, continuous emission and continuous parametric monitoring reports, and malfunction and excess emission reports, and report via AIRS. Report all investigation and compliance evaluation activities and findings via AIRS. Until an automated conversion program which inputs all required information from NJEMS into AIRS is implemented, NJDEP will input all required information into AIRS at the current level of reporting.	LCA	Federal - PPG	State - General Fund	CPM-Negotiated	Other	AQM 1-6, 9
3	Compliance Evaluation	AQC -	132.0	Provide NJDEP with feedback on its CMS. Meet with NJDEP on a quarterly basis to review the plans and activities, as well as to discuss modification of activities to reflect EPA or NJ defined emerging priorities. EPA will include updates on NJDEP's progress in the Regional report to Headquarters.	EPA					
3	Compliance Evaluation	AQC -	133.0	Complete the evaluation of NSR/PSD compliance at Coal Fired Power Plants and initiate enforcement actions as appropriate by October 2001.	LCA	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 1-6
3	Compliance Evaluation	AQC -	134.0	Provide concurrence on coal fired power plants evaluation by August, provided the full draft compliance evaluation are submitted for EPA review by July 15.	EPA					

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Compliance Evaluation	AQC -	135.0	Provide reports on core plans and activities and meet with EPA on a quarterly basis to review the plans and activities, as well as to discuss modification of activities to reflect EPA or NJ defined emerging priorities. The reports will supplement information entered into the AIRS database and may consist of management reports already prepared.	LCA	Federal - PPG	State - General Fund	CPM-Negotiated	NEPPS Annual Performance Report	AQM 1-6
3	Compliance Evaluation	AQC -	136.0	EPA will send a letter to NJDEP to recommend a change in the Title V permit compliance certifications and attach guidance or what changes are needed.	EPA					
3	Compliance Evaluation	AQC -	137.0	Within 45 days of receipt of EPA's letter, the NJDEP will reply with a plan to implement the new certification. This plan should include the interim steps that will be taken to implement the policy.	FLF	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 14
3	Compliance Evaluation	AQC -	138.0	Provide NJDEP with an annual list of facilities scheduled for partial compliance evaluations. Facilities that are located in geographic areas with high rates of releases of air pollutants, are in sectors with low compliance rates, or are high emitters of air toxics and/or VOCs (e.g. dry cleaners, refineries, pharmaceuticals, utility coal fired power plants) will be targeted.	EPA					
3	Compliance Evaluation	AQC -	139.0	EPA will investigate the feasibility of funding to complete development of a program to convert data from the NJEMS database so that it can be uploaded into AIRS.	EPA					
3	Compliance Evaluation	AQC -	140.0	Perform follow-up inspection or review of facilities to verify correction of violations discovered.	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 14
3	Compliance Evaluation	AQC -	141.0	In accordance with the CMS, review EERs and stack test reports to determine compliance status; review Title V compliance schedules.	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 14
3	Compliance Evaluation	AQC -	142.0	Review and perform appropriate response to air pollution complaints received.	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 14
3	Enforcement	AQC -	143.0	Address "high priority violators" (HPVs) according to the requirements of EPA's "High Priority Violator/Timely and Appropriate Guidance" (HRV/T&A).	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6, 9, 14

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
3	Enforcement	AQC - 144.0	Major MACT Sources: Assess the compliance status with respect to the applicable MACT during the FCE, PCE or investigation of a major MACT-affected source. For any violations documented, if NJDEP has legal authority to enforce the MACT requirements (even before the Title V operating permit is issued), it will take appropriate enforcement action to address such violations. Otherwise, they will refer the violations to EPA for appropriate action. To facilitate the interaction with EPA, NJDEP will share information (e.g. notifications, etc.) concerning major MACT sources.	LCA	Federal - PPG	State - General Fund	CPM-Negotiated	Other	AQM 8
3	Enforcement	AQC - 145.0	On MACT violations referred by NJDEP, EPA will take appropriate enforcement to address such violations.	EPA					
3	Enforcement	AQC - 146.0	NJDEP will input all major source MACT activities in AIRS in accordance with the Regional 2 AIRS MACT training SOP.	LCA	Federal - PPG	State - General Fund	CPM-Negotiated	Other	AQM 8
3	Enforcement	AQC - 147.0	Resolve formal enforcement actions through settlement agreements, administrative and judicial consent agreements, Alternative Dispute Resolution, or adjudication.	LCA	Federal - PPG	State - General Fund	Not CPM	Other	AQM 1-6
3	Permitting	AQC - 148.0	Encourage permit applicants seeking approval to construct, reconstruct, or modify electric generating units (EGUs) to build combined heat and power (CHP) facilities.	FLC	Federal - PPG	State - General Fund	Not CPM	Other	AQM 19
3	Technical Assistance	AQC - 149.0	Promote energy efficiency, including CHP, at Gold Track facilities.	AHB	State - PPG Match		Not CPM	Individual Project Reports	AQM 19
3	Technical Assistance	AQC - 150.0	Revise DEP's SOTA manuals and other technical manuals to promote efficient technologies, including CHP, and to encourage use of lower-emitting technologies.	FLC	State - General Fund		Not CPM	Other	AQM 19
3	Technical Assistance	AQC - 151.0	Encourage State government to set an example through implementation of energy efficiency in State facilities.	RCB	State - PPG Match		Not CPM	Other	AQM 19
3	Permitting	AQC - 152.0	Establish, as appropriate, output-based emission standards.	FLC	State - General Fund		Not CPM	Other	AQM 19
3	Permitting	AQC - 153.0	Review and act on permit applications for 10,000 MW of new, clean electric generation.	FLC	Federal - PPG	State - General Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	AQM 20
3	Technical Assistance	AQC - 154.0	Enter into voluntary gold track covenants with electricity generators, wherein they commit to reducing emissions.	AHB	State - General Fund		Not CPM	Other	AQM 20

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
3	Technical Assistance	AQC - 155.0	Encourage State Government to set example as a consumer by requiring an increase in "green" electricity make up from 15-25% of each power purchase.	RCB	State - PPG Match		Not CPM	Other	AQM 21
3	Technical Assistance	AQC - 158.0	Provide advice and support BPU in it's development of final renewable portfolio standards, including a renewables trading program.	ABM	State - General Fund		Not CPM	Other	AQM 21
3	Technical Assistance	AQC - 157.0	Provide advice and support BPU in it's development of final Environmental Disclosure Standards.	ABM	State - General Fund		Not CPM	Other	AQM 21
3	Technical Assistance	AQC - 158.0	Provide advice and support BPU in it's development of final net metering standards.	ABM	State - General Fund		Not CPM	Other	AQM 22
3	Technical Assistance	AQC - 159.0	Provide advice and support BPU and PJM ISO in their development of a tracking system.	ABM	State - PPG Match		Not CPM	Other	AQM 22
3	Permitting	AQC - 160.0	Review and act on PSD permit applications for refineries seeking approval to modify their facilities in order to increase their capacity to produce low sulfur fuel.	FLB	Federal - PPG	State - General Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	AQM 23
3	Technical Assistance	AQC - 161.0	Encourage implementation of the State Development and Redevelopment Plan, including the development of compact, mixed-use centers, thereby maximizing multi-modal transportation opportunities and reducing dependency on automobile.	AAP	State - General Fund		Not CPM	Other	AQM 19
3	Technical Assistance	AQC - 162.0	Encourage use of alternatives to individual fossil-fueled vehicles, including walking, bicycling, carpooling, and public transportation.	ABM	State - General Fund		Not CPM	Other	AQM 23
3	Technical Assistance	AQC - 163.0	Encourage introduction of more alternatively fueled vehicles and advanced technology vehicles into the New Jersey fleet.	ABM	State - General Fund		Not CPM	Individual Project Reports	AQM 23
4	Phase 4 = Strategy Evaluation								
4	NEPPS Steering Committee	AQC - 164.0	Prepare annual performance report of program including appropriate environmental indicators.	ABL	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	AQM 19-23
4	Data Analysis & Reporting	AQC - 165.0	Review and comment on Annual Performance Report based on information gathered through EPA's partnership with NJDEP's air program.	EPA					
1	Phase 1 = Data Collection & Assessment								

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
1	Research	GCC - 1.0	Research, collect, tabulate, interpret and report information on GHG emissions & energy usage from/through: 1) voluntary reporting by utilities & Industry 2) USDOE Energy Information Agency (EIA) data 3) Transportation use (vehicle miles traveled, public transit, average fuel economy) 4) Data on energy efficiency of residential & commercial construction.	RCB	State – General Fund		Not CPM	EPA Semi-Annual Report	GCM 1
1	Research	GCC - 2.0	Collect and analyze indicator data on annual basis & summarize results of cumulative energy use, energy savings & emissions reductions achieved through implementation of the actions committed to by members of Energy Star Partnerships, Silver&Gold Track Companies, Greenhouse Gas Covenant Companies, NJ Colleges and Universities, K-12 schools and hospitals.	RCB	State – General Fund		CPM-Negotiated	Other	GCM 2
1	Research	GCC - 3.0	Peer review of data summaries prepared in GCC-2.0	EPA	State – General Fund		Not CPM	Other	GCM 2
1	Research	GCC - 4.0	Coordinate increased research collaboration with EPA, ORD, Rutgers, NASA, and Penn State on NJ-specific climate impacts for the region (Northeast, Mid Atlantic) and New Jersey.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
1	Research	GCC - 5.0	Coordinate increased research collaboration with EPA, ORD, Rutgers, NASA, and Penn State on NJ-specific climate impacts for the region (Northeast, Mid Atlantic) and New Jersey.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
1	Research	GCC - 6.0	Develop research project to evaluate the economic and environmental consequences of proposed GHG mitigation strategies.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
1	Research	GCC - 7.0	Evaluate results of economic and environmental consequences study, Complete date not specified.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
1	Research	GCC - 8.0	Participation on GCC-8.0 project design team.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
1	Research	GCC - 9.0	Peer review of GCC-8.0 and 7.0 results.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
2	Phase 2 = Strategic Planning								
2	Program Development	GCC - 10.0	Develop trading program design specifications for Landfill Methane, combined heat and power, facility wide energy efficiency and plastic recycling Emissions Reduction Quantification Protocol.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Program Development	GCC - 11.0	Participation on GCC-10.0 project design team.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
2	Program Development	GCC - 12.0	Mitigate Urban Heat Island Effect and promote "cool" communities.	RCB	State – General Fund		Not CPM		GCM 1
2	Innovative Technologies	GCC - 13.0	Assist Department of Community Affairs with energy efficiency housing project involving innovative technologies such as fuel cells and photovoltaics.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
2	Innovative Technologies	GCC - 14.0	Peer review of GCC-13.0 final report.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
2	Innovative Technologies	GCC - 15.0	Fund Innovative Technologies - Region II, P2 Grant.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
3	Phase 3 = Strategy Implementation								
3	Technical Assistance	GCC - 16.0	Develop research proposals and demonstration projects on: 1) Innovative technology evaluations of a) fuel cells b) alternate fuel vehicles c) geothermal systems 2) Public opinion of proposed GHG mitigation strategies 3) Tree planting in urban, suburban and rural locations.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
3	Technical Assistance	GCC - 17.0	Peer review of GCC-16.0 proposals.	EPA	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 1
3	Education & Outreach	GCC - 18.0	Conduct education and outreach programs for government entities, community groups and schools on sea level rise and other GHG related issues.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 3
3	Education & Outreach	GCC - 19.0	Develop climate change curricula for inclusion in State core curricula.	RCB	State – General Fund		Not CPM	Annual Greenhouse Gas Action Plan Addendum	GCM 3
3	Education & Outreach	GCC - 20.0	Assist with the preparation of outreach materials, logistics for setting up meetings and meeting presentations.	EPA	State – General Fund		Not CPM	Other	GCM 3
3	Education & Outreach	GCC - 21.0	Create a wind power stake holder group in Northwest and Southeast part of State.	RCB	State – General Fund		Not CPM		GCM 1
4	Phase 4 = Strategy Evaluation								
4	Indicators	GCC - 22.0	Measure and report tons of CO2 emitted and correlate yearly changes by total State and individual transportation, government, residential housing, industrial operations and landfill market sectors as identified in State Action Plan.	RCB	State – General Fund		Not CPM	NEPPS Annual Performance Report	GCM 1
4	Indicators	GCC - 23.0	Peer review of GCC-26.0 data and reports.	EPA	State – General Fund		Not CPM	NEPPS Annual Performance Report	GCM 1

CLEAN & PLENTIFUL WATER

CLEAN & PLENTIFUL WATER

Introduction

Water Resources in New Jersey

New Jersey's surface water resources include 8,020 miles of streams and rivers, 3,600 lakes, ponds and reservoirs, 1,400 square miles of wetlands, 725 square miles of estuaries and 127 miles of ocean shoreline. New Jersey has 151 watersheds, which are geographic regions within which water, sediments and dissolved materials travel to a particular waterbody. Many watersheds include both tidal and non-tidal waters. These resources provide habitat and food for numerous aquatic and terrestrial species of wildlife.

Ground water is the source of water that provides flows to streams and water levels in lakes and wetlands, particularly during dry weather conditions. Therefore, the quality of ground water directly impacts the quality of drinking water supplies and aquatic biota. This is of particular significance in the New Jersey coastal plain, where up to ninety percent of the base flow to these streams is from ground water sources.

New Jersey's 8.4 million residents rely on surface and ground water resources to supply 15 billion gallons per day water for drinking water, domestic, industrial and agricultural uses. As of May 2001, there were 607 active community water systems (CWS) in New Jersey. A CWS serves at least 25 year-round residents or has 15 or more service connections (e.g., municipality, mobile home park). These CWS serve approximately 88 percent of the State's population, with 51% of the population being served by surface water systems and 49% by ground water systems. There are approximately 350,000 private wells in New Jersey serving approximately 1 million people (12 percent of the population).

As of May 2001, there were 3,644 active non-community systems in New Jersey, including 934 non-transient systems and 2,710 transient systems. Non-transient systems serve at least 25 of the same people daily at least six months of the year (e.g., schools, office buildings). Transient systems serve at least 25 people daily, but the population served changes (e.g., highway rest stops, restaurants). All but three of the New Jersey noncommunity systems utilize ground water sources.

Tidal waters provide over 173 million pounds of fish and 75 million pounds of shellfish for harvest each year. Recreational uses of tidal and non-tidal waters (fishing, swimming and boating) are important components of New Jersey's quality of life and economy. Tourism to New Jersey's coastal counties generates over \$12 billion dollars per year and hundreds of thousands of jobs. Clearly, New Jersey's water resources are an integral component of the State's ecology and economy.

Key Water Resources Issues

New Jersey's water resources are affected by both point and nonpoint sources of pollution as well as naturally occurring contaminants (e.g., radon). Point sources emanate from a pipe and include industrial and municipal wastewater treatment plant effluents and septic discharges, municipal stormwater, cooling water discharges, industrial stormwater and combined sewer overflows. Nonpoint sources of pollution emanate from diffuse sources such as agricultural runoff, landfill leachate, infiltration of contaminated ground water and air deposition.

Surface water quality has remained excellent in some areas and improved significantly in other areas. However, many watersheds are affected by one or more water quality issues. Surface water quality issues of concern include cultural eutrophication of lakes and estuaries caused by nutrient enrichment. Impairments to shellfish harvesting and recreational uses due to pathogenic contamination also occur. Some locations are being affected by metals and organics in sediments and biota, which has led to advisories to reduce or eliminate consumption of some species from affected freshwater, estuarine and coastal waterbodies. Habitat and flow alteration, and potentially water and sediment quality, may contribute to impaired biological health in freshwater portions of many watersheds. Flow alteration may be caused by water withdrawals, wastewater regionalization and stormwater discharges. Historical losses of wetlands and other habitat alterations have negatively affected ecological health and water quality, and frequently contribute to flooding.

Trends in marine fisheries vary between species; some are improving while others are declining. However, overall stocks of some commercially harvested marine fish and shellfish appear to be declining. Potential human impacts (pollutants, overfishing, habitat alteration) are difficult to differentiate from natural factors affecting populations (predation, disease, reproduction rates). Several threatened and endangered waterfowl and raptor species are experiencing reduced reproductive success as a result of bioaccumulation of toxic compounds.

Ground water quality is generally excellent in many areas of the state. However, some areas are affected by one or more ground water quality issues. Key issues include the presence of volatile organic chemicals, metals, and synthetic organic chemicals which may be present in ground water at levels that are detrimental to human health. Elevated levels of nitrates and naturally occurring radioactivity have been found in some areas. Microbial contamination, which occurs in some areas, is of concern when ground water is used for human consumption.

The quality of finished drinking water quality provided by community water systems is excellent. However, some systems require additional treatment to meet Federal and State Safe Drinking Water Act requirements. Continual improvement of drinking water quality, source water protection and treatment for localized contaminant issues is needed to ensure the high quality of New Jersey's drinking water supplies. In addition,

testing of private wells has historically been managed at the local level, but will be required statewide as of September, 2002 when real estate is transferred. These requirements will improve protection of private wells and provide additional information regarding the quality of this resource.

Although statewide water resources are sufficient to address water supply needs, local deficits occur, and these deficits may worsen as population and demand for water increase. In some coastal areas, saltwater intrusion limits potable use of ground water supplies and overuse of ground water has led to the designation of two critical areas. Land development, and associated impervious surfaces, have reduced aquifer recharge. More than half of the water used in the State is used only once due to discharge of treated wastewater to tidal waters.

These key water resources issues are discussed in more detail in the Water Resources sections of the "Self-Assessment of New Jersey's Environment and NJDEP Programs" (NJDEP, 1996).

Key water resources issues are those which negatively affect the human and ecological uses of surface water that are specified in the goals of Federal Clean Water Act, State Water Pollution Control Act, Federal and State Safe Drinking Water Acts, Federal and State water quality standards, and the State Water Supply Management Act. The NEPPS water resources goal and subgoal statements embody the legislated goals and designated uses of these water resources.

Water resources indicators were selected to convey status and, if possible, trends in potential causes, ambient conditions and responses by environmental agencies, regulated community and public to these key issues. The Activity Commitment Tables summarize the activities that NJDEP water resources programs will be conducting during the term of this Agreement, including surface water, ground water and drinking water quality as well as water supply. Diverse planning, monitoring, research, permitting, enforcement and financing program activity commitments, including activities associated with Water Goal Focus Areas, are included in this Agreement. As the NEPPS process continues to be implemented, including continued stakeholder participation, relationships between the indicators will be evaluated, facilitating appropriate modifications to the activities to address priority water quality issues in a goal-oriented framework. Watershed management and source water assessment activities are a key component of this process and are expected to contribute to enhanced understanding and more effective management of New Jersey's water resources.

Clean and Plentiful Water

Goal: New Jersey's rivers, lakes and coastal waters will be fishable, swimmable and support healthy ecosystems. Surface and ground water will be clean sources of water. Every person in New Jersey will have safe drinking water. Adequate quantities of surface and ground water will be available for all needed uses.

Surface Water

Subgoals:

1. Meet Surface Water Quality Standards.
2. Protect and enhance aquatic life designated uses.
3. Protect recreational designated uses in tidal and non-tidal waters.
4. Protect fish and shellfish consumption designated uses.

Ground Water

Subgoals:

1. Ground water quality will meet all standards for designated uses, and ground water discharging to surface water will not adversely impact the surface water system.

Drinking Water

Subgoals:

1. Every person in New Jersey served by public drinking water systems will drink water that meets the drinking water standards.
2. All source water in New Jersey used for drinking water will be protected from pollution.
3. The consumption of drinking water shall not cause detectable waterborne infectious diseases.
4. Every person in New Jersey should drink water with lead concentrations less than 15ppb.
5. Every person in New Jersey should drink water with nitrate concentrations less than 10 ppb.
6. Every person in New Jersey should drink water with VOC concentrations less than the MCLs.
7. Every person in New Jersey should drink water that contains the minimum concentrations of disinfection byproducts without compromising microbiological safety.

8. Every person in New Jersey should drink water with radiological concentrations less than the MCLs.
9. Every person served by private wells should consume water that meets the drinking water MCLs.

Water Supply

Subgoals:

1. Assess water availability.
2. Determine current & projected water supply (use by type, unaccounted for water, etc.)
3. Avoid water supply deficits.

SURFACE WATER

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Meet Surface Water Quality Standards						
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 1.0	Statewide status and trends of municipal point source loads of BOD/CBOD regulated flow and number of discharges.	Cause	FDC	NJEMS	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 2.0	Status and trends of actual and estimated phosphorus loads from sewage treatment plants to freshwater streams.	Cause	FDC	NJEMS	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 3.0	NPS yields (pounds/square mile/year) of TP above monitoring stations.	Cause	RCE	Pollutant yields project; GIS	Future Reporting
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 4.0	SWQS attainment status and trends for conventional water quality parameters (DO, pH, TP, TDS) in assessed non-tidal waters.	Condition	RCE	STORET, Legacy STORET, NWIS, 305b Report	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 5.0	SWQS attainment for FC in assessed rivers to assess recreational designated use attainment (CPM #4b).	Condition	RCE	STORET, Legacy STORET, NWIS, 305b Report	CPM-National
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 6.0	SWQS attainment status of toxic water quality parameters (Cd, Cu, Cr, Hg, Pb, Ni, Zn) in assessed non-tidal waters and extent of assessment.	Condition	RCE	STORET, Legacy STORET, NWIS, 305b Report	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 7.0	Degree of Watershed Management Area Plan implementation in each watershed management area.	Response	RDA	Individual Project Reports	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 8.0	Number and percent of impaired, assessed river miles, lake acres, and estuary square miles that a) are covered under Watershed Restoration Action Strategies, not committed; and b) were restored to their designated uses during the reporting period. (CPM # 5)	Response	RDA	Storet, 305b Report	CPM-Negotiated

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 9.0	The TMDL status, including: a. The number of TMDLs identified on the 1998 303(d) list that DEP and EPA have committed to produce during the current reporting period. b. The number of TMDLs submitted by the DEP to EPA. c. The number of submitted TMDLs approved by EPA. d. The number of EPA-established TMDLs. (This cumulative measure can be reported jointly by EPA and the States.) (CPM #6)	Response	RDA	303d Report	CPM-National
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 10.0	Statewide status and trends of industrial (non-local) and municipal (local) facilities in SNC. (ENF-CPM #1)	Response	LBA	CWEA Report	CPM-Negotiated
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 11.0	Statewide status and trends of industrial and municipal point source compliance with acute whole effluent toxicity (WET), flow and number of regulated discharges.	Response	FDC	NJEMS	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 12.0	Statewide infrastructure investment to improve water quality	Response	FDL	In-house database	Other Committed
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 13.0	Number and percent of facilities that have a discharge requiring an individual permit: a) that are covered by a current individual NJPDES permit; b) that have expired individual permits; c) that have applied for but not been issued an individual permit, and d) that have individual permits under administrative or judicial appeal. (CPM #8)	Response	FDA	NJEMS	CPM-National
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 14.0	Number of storm water sources associated with industrial activity, number of construction sites over five acres, and number of designated storm water sources (including Municipal Phase I) that are covered by a current individual or general NJPDES permit. (CPM #9)	Response	FDR	NJEMS	CPM-National

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 15.0	Number of permittees that are covered by NJPDES permits or other enforceable mechanisms consistent with the 1994 CSO policy. (CPM #10)	Response	FDN	NJEMS	CPM-National
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 16.0	Number and percent of approved pretreatment programs audited in the reporting year. Of those, the number of audits finding significant shortcomings and the number of local programs upgraded to achieve compliance. (CPM #11)	Response	FDE	Individual Project Reports	CPM-National
SWM - 1	Attain SWQS statewide by 2015; assess baseline water quality by 2003; develop watershed restoration plans, including implementation schedules, by 2007.	SWI - 17.0	EPA will report to Congress on the pace of the Clean Water State Revolving Fund (CW SRF) Program. (EPA and States are working to develop an outcome measure for the CW SRF). (CPM #12)	Response	EPA	NIMS	CPM-National
	Subgoal 2 = Aquatic Life Designated Uses						
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 18.0	Status of benthic habitat quality in assessed non-tidal streams.	Cause	RDI	AMNET Habitat data	Other Committed
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 19.0	Percent impervious surface area above benthic monitoring stations.	Cause	RCE	ISC coverage	Future Reporting
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 20.0	Stream flow alterations above benthic monitoring stations.	Cause	RCE	Watershed Indicators Project; Flow Characteristics/ Flow	Future Reporting
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 21.0	Pounds of pesticides applied annually to state waters from BPO Aquatic Use Permits.	Cause	PCP		Future Reporting
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 22.0	Pesticide concentrations in monitored streams.	Cause	RCE	STORET, NWIS	Future Reporting
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 23.0	Status of sediment concentrations of selected toxic chemicals of concern (metals, PCBs) in assessed non-tidal sediments and extent of assessment. (Focus Area 10a)	Cause	RCE	STORET, Legacy STORET, NWIS	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 24.0	Status and trends of aquatic life designated use attainment based on benthic macroinvertebrate data in assessed non-tidal rivers. (CPM # 4c)	Condition	RDI	Ambient Biological Monitoring Network (AMNET)	CPM-National
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 25.0	Status of fish communities in assessed non-tidal rivers and the extent of assessment.	Condition	RDI	Northern NJ: Fish IBI; Southern NJ (not PL) - IAA	Future Reporting
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 26.0	Status of implementation of benthic improvement strategies (DOT strategy, NPS projects, LBA investigations, watershed indicators project).	Response	RDA	305b Report	Other Committed
SWM - 2	By 2005, 50% of assessed non-tidal river miles will support healthy sustainable, biological communities.	SWI - 27.0	Number of industrial facilities preparing and implementing stormwater pollution prevention plans.	Response	FDR	NJEMS	Other Committed
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 28.0	Status of sediment concentrations of selected toxic chemicals of concern in assessed tidal sediments and extent of assessment (including coastal). (Focus Area #	Cause	RCE	Various	Future Reporting
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 29.0	Status of aquatic life designated use attainment in estuarine waters based on DO data. (CPM #4c)	Condition	RCE	Coastal & Estuarine Monitoring Program, IEC, DRBC data	CPM-National
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 30.0	Status and trends of benthic macroinvertebrate communities in assessed tidal waters and the extent of assessment (including coastal).	Condition	RDG		Future Reporting
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 31.0	Status and trends of populations of fish and shellfish in tidal waters and extent of assessment (including coastal).	Condition	EAA	Bureau of Marine Fisheries Database	Other Committed
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 32.0	Status and trends in phytoplankton blooms in assessed tidal waters and extent of assessment (including coastal).	Condition	RDH	NSSP Phytoplankton monitoring	Other Committed
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 33.0	Status and trends of brown tide blooms (including coastal).	Condition	RCI	Brown tide studies	Future Reporting
SWM - 3	Maintain and enhance aquatic life designated uses in assessed tidal waters.	SWI - 34.0	Status of implementation of Estuary Program CCMPs (including coastal).	Response	RDA		Future Reporting
	Maintain and enhance aquatic life designated uses in assessed lake waters.	SWI - 35.0	Status of aquatic life designated use attainment in lakes using fisheries data and extent of assessment. (CPM#4c)	Condition	RCE	Fish population surveys	CPM-National
	Subgoal 3 = Recreational Designated Uses						
SWM - 4	By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming.	SWI - 36.0	Status of NPS contribution of pathogen indicators to assessed coastal beaches with closures (including coastal).	Cause	RDB	CCMP Beach Monitoring Program	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SWM - 4	By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming.	SWI - 37.0	Swimmable designated use attainment in tidal waters and beach closures at ocean and bay beaches due to pathogen indicators, debris, other causes, including disease outbreaks (including coastal). (CPM #4b)	Condition	RDB	CCMP Beach Monitoring Program	CPM-National
SWM - 4	By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming.	SWI - 38.0	Status of implementation of the Beach Closing Action Plan (including coastal).	Response	RDB		Future Reporting
SWM - 4	By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming.	SWI - 39.0	Status of infrastructure upgrades of CSO points for solids and floatables controls (including coastal).	Response	FDN	Project reports	Other Committed
SWM - 4	By 2005, 100% of NJ's coastal recreational beach waters will be safe for swimming.	SWI - 40.0	Pounds of beach debris removed by, a: Operation Clean Shores b: Army Corps of Engineers (including coastal).	Response	RDB	CCMP Beach Monitoring Program	Other Committed
SWM - 5	By 2000, the recreational lake beach waters will have been assessed and water quality improvement projects will have been prioritized. (New milestone to be developed by Lakes Task Force)	SWI - 41.0	Status of fecal coliform concentrations, number and % of assessed lake beaches meeting swimmable designated use and extent of assessment. (CPM #4b)	Condition	RDB	NJDHSS Lake beach fecal coliform data	CPM-National
SWM - 5	By 2000, the recreational lake beach waters will have been assessed and water quality improvement projects will have been prioritized. (New milestone	SWI - 42.0	Status of development and implementation of water quality improvement projects at lakes with recreational impairments due to pathogens.	Response	RDB		Future Reporting
	Subgoal 4 = Fish and Shellfish						
SWM - 8	Reduce toxic contamination in fish tissue and reduce the need for fish consumption advisories.	SWI - 43.0	Status of implementation of HEP CCMP source track down projects for toxics control in tidal waters (including coastal).	Response	RDF	CCMP Status Report	Other Committed
SWM - 9	Reduce toxic contamination in fish tissue and therefore reduce the need for fish consumption advisories.	SWI - 44.0	Estimated historic and current use of bioaccumulative toxins (e.g., mercury, PCBs, chlordane, dioxin/furans) (including coastal).	Cause	RCD	Various	Future Reporting
SWM - 9	Reduce toxic contamination in fish tissue and reduce the need for fish consumption advisories.	SWI - 45.0	Status of fish consumption designated use attainment based on advisories in rivers, lakes and estuaries and percent of waters assessed (including coastal). (CPM #s 3 and 4a)	Response	RCD	Fish tissue data, consumption advisory assessments, 305b	CPM-National
SWM - 10	By 2005, 90% of NJ's classified waters will provide shellfish that are safe to harvest.	SWI - 46.0	Status of nonpoint sources of FC to shellfish harvesting areas (including coastal). (CPM #4a)	Cause	RDH	305b Report	CPM-National
SWM - 10	By 2005, 90% of NJ's classified waters will provide shellfish that are safe to harvest.	SWI - 47.0	Status and trends of shellfish consumption designated use based on shellfish harvest classifications in acres and % of total resource available, a: Unrestricted b: Seasonal] c. Special restricted d. Prohibited : e. emergency shellfish closures (including coastal). (CPM # 4a)	Response	RDH	National Shellfish Sanitation Program; 305b Report	CPM-National

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SWM - 10	By 2005, 90% of NJ's classified waters will provide shellfish that are safe to harvest.	SWI - 48.0	Status of implementation of the Shellfish Action Plan (including coastal).	Response	RDH	Various	Other Committed

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment									
1	Ambient & Facility Monitoring	SWC -	1.0	Continue to monitor and assess chemical and microbiological quality of freshwater streams and sediments using the redesigned Cooperative Ambient Stream Monitoring Network (ASMA).	RDI	Federal – PPG	State – General Fund	Not CPM	305b Water Quality Inventory Report	SWM 1
1	Quality Assurance/Quality Control	SWC -	2.0	The EPA Region 2 Laboratory will provide analytical services for the quarterly QA splits for the ASMN as resources and other programmatic priorities allow, with a commitment of a minimum of one per quarter in any given year.	EPA					
1	Ambient & Facility Monitoring	SWC -	3.0	Continue Ambient Biological Monitoring Network (AMNET) monitoring at fixed stations; add synoptic stations as needed for watershed monitoring; initiate implementation of index of biotic integrity and synoptic component.	RDI	Federal – CW SRF	State – General Fund	Not CPM	305b Water Quality Inventory Report	SWM 2
1	Ambient & Facility Monitoring	SWC -	4.0	Continue to provide technical support in development of index, training and collection of data for AMNET.	EPA					
1	Ambient & Facility Monitoring	SWC -	5.0	Conduct 303d Evaluation Monitoring under baseflow and elevated flow as needed based on recommendations from the Interagency 303d Technical Workgroup.	RDI	Federal – PPG	State – Other	Not CPM	Individual Project Reports	SWM 1
1	Ambient & Facility Monitoring	SWC -	6.0	Assist with 303d Evaluation Monitoring for dissolved lead at thirty four sites on the 1998 303d list.	EPA					
1	Ambient & Facility Monitoring	SWC -	7.0	TMDL Development Monitoring: Collect ambient synoptic monitoring data necessary to establish TMDLs in accordance with the MOA TMDL Schedule.	RDI	Federal – PPG	State – Other	Not CPM	Other	SWM 1-8
1	Ambient & Facility Monitoring	SWC -	8.0	Provide technical assistance for TMDL Development Monitoring.	EPA					

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Ambient & Facility Monitoring	SWC -	9.0	Watershed sediment toxicity testing: assess contribution of sediment to impaired biological communities, emphasizing severely impaired Watershed Management Areas.	RDI	Federal – PPG	State – Other	Not CPM	Other	SWM 2
1	Ambient & Facility Monitoring	SWC -	10.0	If requested, toxicity testing can be performed by EPA-DESA laboratory starting November 2001. EPA will conduct cooperative sampling and testing if schedule allows.	EPA					
1	Ambient & Facility Monitoring	SWC -	11.0	Continue intensive stormwater load monitoring in selected watersheds to identify pollutant sources in coastal waters.	RDG	Federal – PPG	Federal – EPA Other	Not CPM	305b Water Quality Inventory Report	SWM 1, 5, 8
1	Ambient & Facility Monitoring	SWC -	12.0	Continue to compile and assess lake bathing beach data collected by county and local health agencies.	RDB	State – Other		Not CPM	Goal Area Environmental Progress Briefing	SWM 6
1	Ambient & Facility Monitoring	SWC -	13.0	Participate in the Lake Fish Tissue Residue Study.	RCE	Federal – PPG		Not CPM	305b Water Quality Inventory Report	SWM 7
1	Ambient & Facility Monitoring	SWC -	14.0	Review and evaluate EPA's draft Lake Bioassessment Protocols for inclusion in DEP's ambient monitoring program.	RDI	Federal – PPG	State – General Fund	Not CPM	Individual Project Reports	SWM 4
1	Ambient & Facility Monitoring	SWC -	15.0	Coordinate the development of bioassessment protocols for lakes with DEP.	EPA					
1	Ambient & Facility Monitoring	SWC -	16.0	Continue Existing Water Quality Monitoring Network with the ultimate goal of about 300 stations above the head of tide (freshwater and freshwater tidal).	RDI	State – Other		Not CPM	Individual Project Reports	SWM 1
1	Ambient & Facility Monitoring	SWC -	17.0	Complete Raritan Bay shellfish tissue evaluation and expand to the Manasquan River to inform a decision concerning opening additional acreage for shellfishing, upon receipt of funding and contract mechanism for shellfish tissue analysis.	RDH	State – General Fund	Federal – EPA Other	Not CPM	New Jersey Register	SWM 8
1	Ambient & Facility Monitoring	SWC -	18.0	Provide funding and contract mechanism for Raritan Bay shellfish tissue analysis.	EPA					
1	Ambient & Facility Monitoring	SWC -	19.0	BAYNET Monitoring: continue to coordinate with HQ on development of Rapid Bioassessment Techniques for estuaries.	EPA					SWM 3

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Ambient & Facility Monitoring	SWC - 20.0	Participate in National Coastal Assessment. (EMAP)	RDG	Federal – EPA Other	State – General Fund	Not CPM	Other	SWM 3, 7
1	Laboratory Analysis	SWC - 21.0	Provide analytical laboratories, data management and reporting for National Coastal Assessment.	EPA					
1	Ambient & Facility Monitoring	SWC - 22.0	Participate in EMPACT program, post results on web sites.	RDI	Federal – EPA Other		Not CPM	Other	SWM 3, 8
1	Ambient & Facility Monitoring	SWC - 23.0	Continue monitoring for the National Shellfish Sanitation Program, including microbial, phytoplankton and sanitary surveys and open/close areas to shellfish harvesting.	RDH	Federal – PPG		Not CPM	New Jersey Register	SWM 8
1	Ambient & Facility Monitoring	SWC - 24.0	Continue to collect and analyze microbial samples from the ocean and analyze microbial samples collected by IEC.	EPA					SWM 8
1	Ambient & Facility Monitoring	SWC - 25.0	Continue monitoring basic water chemistry in coastal and estuarine waters (nutrients, DO, salinity and chlorophyll) in bay and near-shore waters.	RDH	Federal – PPG	State – Other	Not CPM	305b Water Quality Inventory Report	SWM 1
1	Ambient & Facility Monitoring	SWC - 26.0	Continue to collect ocean/estuary phytoplankton and nutrient samples by helicopter and deliver to DEP for analysis.	EPA					
1	Ambient & Facility Monitoring	SWC - 27.0	Continue to monitor dissolved oxygen by helicopter and report results to the Division of Fish and Wildlife.	EPA					

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
1	Ambient & Facility Monitoring	SWC - 28.0	Continue to collect fish tissue samples from the Delaware River.	RDI	State – Other		Not CPM	Goal Area Environmental Progress Briefing	SWM 7
1	Ambient & Facility Monitoring	SWC - 29.0	Re-evaluate existing fish consumption bans and advisories in tidal and non-tidal waters through collection of new data on contaminant levels and subsequent risk assessment.	RCD	State – General Fund		Not CPM	Individual Project Reports	SWM 7
1	Ambient & Facility Monitoring	SWC - 30.0	Through the Cooperative Coastal Monitoring Program, continue to coordinate the routine monitoring of coastal recreational waters and pollution source investigations performed by the state and local health agencies; provide daily aerial surveillance of coastal waters and modify program in accordance with EPA Beach Guidances.	RDB	State – General Fund		Not CPM	Goal Area Environmental Progress Briefing	SWM 5
1	Ambient & Facility Monitoring	SWC - 31.0	Assist in the coordination and implementation of bi-state Harbor toxics trackdown program; provide funding to DEP and NYSDEC.	EPA					SWM 1, 7
1	Ambient & Facility Monitoring	SWC - 32.0	Continue to manage monitoring required in DSW and SIU permits, including distribution, receipt and data entry (key and verify) of monitoring report forms; conduct data queries and prepare reports as needed.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Ambient & Facility Monitoring	SWC - 33.0	Continue to conduct monitoring (discharges to surface water including SIU) at permitted NJPDES facilities; enforcement monitoring will be coordinated with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Ambient & Facility Monitoring	SWC - 34.0	Perform sampling activities at facilities agreed upon with DEP-Water Compliance and Enforcement on an annual basis and provide results to DEP; provide technical assistance to DEP WMM in collecting 24 hour composite samples at selected permitted facilities.	EPA					
1	Ambient & Facility Monitoring	SWC - 35.0	Industrial Pretreatment Program: continue influent/effluent/sludge monitoring of treatment facilities at same	FDE	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-4, 6-8
1	Ambient & Facility Monitoring	SWC - 36.0	Coordinate water monitoring program activities to support water programs.	RDG	Federal – PPG		Not CPM	Other	
1	Research	SWC - 37.0	Conduct Measurement of Watershed Improvement in New Jersey (RGI Project).	RCE	Federal – Non-EPA		Not CPM	Individual Project Reports	SWM 1-8
1	Research	SWC - 38.0	Provide technical assistance as needed on Measurement of Watershed Improvement in New Jersey (RGI Project).	EPA					SWM 1, 7
1	Research	SWC - 39.0	Participate in the NY Academy of Sciences Harbor Project Consortium (Industrial Ecology/P2 Project).	EPA					
1	Research	SWC - 40.0	Explore developing a project to identify pathogen sources, pending funding.	RDG	Federal – PPG		Not CPM	Other	SWM 1, GWM 2, DWM 1
1	Research	SWC - 41.0	Conduct research and technical studies to improve water environmental indicators and CPM reporting.	RCE	State – General Fund		Not CPM	Individual Project Reports	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
1	Research	SWC - 42.0	Provide report on identification and protection of limestone sinkhole pond vegetation communities (reference wetlands).	GAA	State – General Fund		Not CPM	Individual Project Reports	
1	Data Management	SWC - 43.0	For Major DSWs, extract DMR data from NJPDES (NJEMS), reformat and upload to PCS on a monthly basis; for minor DSWs, same as above, if resources allow.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Data Management	SWC - 44.0	Manually enter NJPDES DSW permit actions into PCS until development of IDEF.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Data Management	SWC - 45.0	Continue to supply data to PCS regarding inspection and enforcement actions (DSW majors only until IDEF is implemented) (C&E CPM #1,2,5-8).	LBA	State – PPG Match	State – General Fund	CPM-Negotiate	Other	SWM 1-8
1	Data Management	SWC - 46.0	Provide DEP with quarterly updates on the status of PCS upgrades.	EPA					
1	Data Management	SWC - 47.0	Enter DEP-generated Water Quality data that has been QA'd into STORET by June of the following year.	RDG	Federal – PPG	State – Other	Not CPM	305b Water Quality Inventory Report	SWM 1-8
1	Data Management	SWC - 48.0	Continue to work with EPA in the development and implementation of IDEF: 1) including development and execution of a TPA and 2) an EDI web solution for the electronic submission by permittees of monitoring report form data to DEP by FY2002.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Data Management	SWC - 49.0	Continue development and implementation of NJEMS enhancements to: 1) optimize and improve the production and data entry of monitoring report form data into NJPDES (NJEMS) and 2) production of permits, tracking and compliance evaluation activities.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
1	Data Management	SWC - 50.0	Provide technical and financial assistance to develop an interface to transfer New Jersey's permit, compliance and enforcement data to EPA's national Permit Compliance System (PCS).	EPA					
1	Data Management	SWC - 51.0	Enter EPA Region 2 Coastal Monitoring data into STORET.	EPA					
1	Geographic Information Systems	SWC - 52.0	Continue to develop and improve GIS coverages and metadata relevant for Water Programs in a timely manner.	AQA	State – General Fund		Not CPM	Other	SWM 1-8
1	Geographic Information Systems	SWC - 53.0	Prepare GIS method to track down pollution sources from contaminated sites in the Harbor estuary; prepare map of high hazard areas to consider in prioritization of sites; adapt model to calculate contaminant release from a site.	RCE	Federal – PPG		Not CPM	Individual Project Reports	SWM 1, 3, 7
1	Quality Assurance/Quality Control	SWC - 54.0	Develop water component of the QMP by July 1, 2002 and continue to update Quality Assurance Workoutputs annually.	CCC	State – General Fund		Not CPM	Other	SWM 1-8
1	Quality Assurance/Quality Control	SWC - 55.0	Conduct Management Systems Reviews of the DEP Quality System on a regular basis.	EPA					SWM 1-8
1	Quality Assurance/Quality Control	SWC - 56.0	Inspect and certify wastewater/water quality laboratories and track status of certification.	CCC	State – General Fund		Not CPM	Other	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
1	Quality Assurance/Quality Control	SWC - 57.0	Review and approve QA/QC Components of Water Quality Sampling Plans. Implement water aspects of approved QAMP for all data collection programs and projects.	CCC	State – General Fund		Not CPM	Other	SWM 1-8
1	TMDL Development	SWC - 58.0	Continue to develop Watershed Restoration Plan and establish, as necessary, TMDLs in accordance with the TMDL MOA Schedule. The current TMDL MOA Schedule may be amended by mutual agreement of DEP and EPA.	RDA	State – General Fund		Not CPM	NEPPS Annual Performance Report	SWM 1-8
1	TMDL Development	SWC - 59.0	Date TMDL to be submitted to EPA: 6/30/02 Whippary River (segments listed for metals) Rancocas and Cooper Rivers, Pennsauken Creek, Manasquan River Pompton, Ramapo, Pequannock & Wanaque Rivers Lower Passaic River (non-tidal) Upper Passaic & Rockaway Rivers Date TMDL to be submitted to EPA: 9/30/02 Delaware Estuary for dissolved oxygen.	RDA	State – General Fund		Not CPM	NEPPS Annual Performance Report	SWM 1-8
1	TMDL Development	SWC - 60.0	Date TMDL to be submitted to EPA: 6/30/03 Whippary River (segments listed for Biological impacts) Millstone River North & South Branch of the Raritan River Saddle River Hackensack River & Passaic Creek Raritan and South Rivers & Lawrence Brook Walkill, Pochuck & Papakating Creeks Lower Delaware Tributaries Date TMDL to be submitted to EPA: 9/30/03 Delaware River/Estuary metals, PCBs, DDT & derivatives.	RDA	State – General Fund		Not CPM	NEPPS Annual Performance Report	SWM 1-8
1	TMDL Development	SWC - 61.0	Date TMDL to be submitted to EPA: 6/30/04 Upper Delaware River Tributaries Cohansey River Monmouth Watershed Maurice River.	RDA	State – General Fund		Not CPM	NEPPS Annual Performance Report	SWM 1-8
1	TMDL Development	SWC - 62.0	Revise the current TMDL MOA to included an updated TMDL schedule based on the schedule contained in DEP's 2002 303d list as approved by EPA. The 2002 303d list will include by waterbody: dates for DEP to submit TMDLs to EPA, a list of pollutants of concern, a TMDL scope (watershed wide or segment) and a list of proposed management strategies.	RDA	State – General Fund		Not CPM	Other	SWM 1-8
1	TMDL Development	SWC - 63.0	EPA to review and issue decisions on TMDLs submitted by DEP within 30 days of receipt of the final TMDL.	EPA					
1	TMDL Development	SWC - 64.0	Provide technical support to DEP toward establishment of multi-state TMDLs such as those developed under the Delaware and Harbor Estuary Programs.	EPA					
1	TMDL Development	SWC - 65.0	Facilitate NJ involvement in NYCDEP's Use Attainability Project.	EPA					
1	TMDL Development	SWC - 66.0	Continue water quality modeling commitments necessary to establish TMDLs in accordance with the MOA TMDL Schedule.	RDE	State – General Fund		Not CPM	Other	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Phase 2 = Strategic Planning								
2	Program Development	SWC - 67.0	Implement workplan approved under National Beach Program.	RDB	Federal – EPA Other		Not CPM	Individual Project Reports	SWM 4
2	Program Development	SWC - 68.0	Evaluate implementation issues regarding <i>Enterococcus</i> water quality criteria guidance and finalize recommendations regarding disinfection regimes for POTWs.	EPA					
2	Program Development	SWC - 69.0	Work with DEP to coordinate between watershed and SWAP.	EPA					
2	Protocol Development	SWC - 70.0	Participate in the Comprehensive Assessment and Listing Methodology (CALM) and Interagency 303d Technical Workgroups to develop 303d listing methodology.	RCE	State – General Fund	Federal – PPG	Not CPM	Other	SWM 1, 2, 3, 4, 7, 8
2	Protocol Development	SWC - 71.0	Participate in the CALM Guidance and 303d Technical Workgroups.	EPA					
2	Staff Training & Development	SWC - 72.0	Provide comprehensive PCS training for DEP personnel.	EPA					
2	Program Development	SWC - 73.0	Assess coastal zone planning goals, identify milestones, program indicators and appropriate environmental indicators.	ABB	Federal – Non-EPA		Not CPM	Individual Project Reports	SWM 3, 5, 8
2	Program Development	SWC - 74.0	Participate in meetings and work groups related to Non-Point Source technical and policy issues.	EPA					
2	Program Development	SWC - 75.0	Participate as partner Ecological Network Information, where appropriate; identify potential funding sources.	EPA					
2	Rule Development	SWC - 76.0	Propose Water Quality and Watershed Management Rules by 6/30/04	RDA			Not CPM	New Jersey Register	SWM 1-8
2	Rule Development	SWC - 77.0	Propose and adopt amendments to NJPDES rules to implement Phase II Municipal Stormwater Regulation Program.	FDR	State – General Fund	Federal – PPG	Not CPM	New Jersey Register	SWM 1-8
2	Rule Development	SWC - 78.0	Publish a proposal to repeal and repromulgate Stormwater Management Rules (N.J.A.C. 7:8) with substantial changes in SFY02; work toward adoption in SFY03.	RDD	State – General Fund		Not CPM	New Jersey Register	SWM 1-8
2	Rule Development	SWC - 79.0	Develop proposal for SQAR Regulation revisions (N.J.A.C. 7:14-4).	FDE	State – PPG Match	State – General Fund	Not CPM	New Jersey Register	SWM 1-8, GWM 1,3
2	Rule Development	SWC - 80.0	Propose wildlife criteria and antidegradation component of the NJ Surface Water Quality Standards in 2002.	RDI	State – General Fund		Not CPM	New Jersey Register	SWM 1, 2, 3, 4, 7, 8
2	Rule Development	SWC - 81.0	Provide ongoing guidance regarding water quality standards rule development including implementation issues related to 303d and permitting and participate in DEP's stakeholder process to develop SWQS.	EPA					
2	Program Development	SWC - 82.0	Develop and implement an interstate reciprocity system for technology and regulatory acceptance.	RCB	State – General Fund	Federal – Non-EPA	Not CPM	Individual Project Reports	SWM 1-8
2	Rule Development	SWC - 83.0	Adopt amendments to SWQS in SFY02.	RDA	State – General Fund		Not CPM	New Jersey Register	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Rule Development	SWC - 84.0	Develop proposal and adoption for NJPDES regulations (N.J.A.C. 7:14A-1 et seq.).	FDA	State – PPG Match	State – General Fund	Not CPM	New Jersey Register	SWM 1-8
2	Rule Development	SWC - 85.0	Develop plan for established watershed-specific nutrient criteria by 12/31/01.	RHI	State – General Fund		Not CPM	New Jersey Register	SWM 1, 2, 3, 4
2	Program Development	SWC - 86.0	Work to bridge gap between CWA pollutants and TRI pollutants and SRP cleanup standards and SWQS.	EPA					
2	Program Development	SWC - 87.0	Provide guidance on sediment toxicity criteria.	EPA					
Phase 3 = Strategy Implementation									
3	Technical Assistance	SWC - 88.0	Through the Sewage Infrastructure Improvement Act, continue to provide technical assistance to municipalities that are performing sewage and stormwater systems investigations and stormwater quality testing.	LBC	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Planning	SWC - 89.0	Develop 303d list using "all readily available data" consistent with EPA's effective 303d regulations & 2002 guidance memo &, to the extent achievable for timely report submittal, provide final 303d List to EPA by federally mandated deadlines.	RCE	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	SWM 1, 2, 3, 4, 7, 8
3	Planning	SWC - 90.0	Review, comment and issue decisions within 30 days of receipt of the final 303d list and ensure lists for shared waters are consistent in the listing of water bodies and impairments.	EPA					
3	Education & Outreach	SWC - 91.0	Improve communication on STORET, EQUIS and submittal of data to STORET.	EPA					
3	Planning	SWC - 92.0	Determine NPS Needs for NJ and document for Clean Water Needs Survey 2000 Report to Congress.	RDD	Federal – EPA Other	State – General Fund	Not CPM	Other	SWM 1-8
3	Planning	SWC - 93.0	Provide assistance and training throughout Non-Point Source Needs Survey process.	EPA					
3	Planning	SWC - 94.0	Attend quarterly coordination meetings to address statewide water quality issues.	EPA					
3	Planning	SWC - 95.0	Review and approve modifications to Areawide Water Quality Management Plans including actions to incorporate requirements of established TMDLs.	RDA	State – Other		Not CPM	New Jersey Register	SWM 1-8
3	Planning	SWC - 96.0	Update Unified Watershed Assessment based on EPA comments. Submit updated components as required.	RDA					
3	Planning	SWC - 97.0	Prioritize Category 1, Priority 1 watersheds identified in UWA and continue to develop and implement WRAS.	RDA	State – Other		Not CPM	Goal Area Strategic Quarterly Progress Report	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Planning	SWC - 98.0	Review and comment on revised UWA, future UWA update and individual WRAS.	EPA					
3	Planning	SWC - 99.0	Continue to work with EPA and NOAA toward final approval of NJ's Coastal Nonpoint Pollution Control Program under Section 6217-CZARA. Participate on periodic status update teleconferences hosted by EPA and NOAA and implement management measures as appropriate.	ABB	Federal - Non-EPA		Not CPM	Individual Project Reports	SWM 1, 3, 5, 7, 8
3	Planning	SWC - 100.0	Work with NOAA and DEP toward full approval of NJ's Coastal Non-Point Pollution Program. EPA will provide assistance throughout the process.	EPA					
3	Enforcement	SWC - 101.0	Continue to use the SNAP process to coordinate NJPDES compliance and enforcement through quarterly meetings including CSO and SSO facilities.	LBA	State - PPG Match	State - General Fund	Not CPM	NEPPS Annual Performance Report	SWM 1-8
3	Planning	SWC - 102.0	Participate in WMA6 on the Public Advisory Committee; provide monitoring and GIS support.	EPA					
3	Program Implementation	SWC - 103.0	Continue implementation of watershed management in all 20 WMAs including development of Watershed Management Plans.	RDA	State - General Fund	Federal - PPG	Not CPM	NEPPS Annual Performance Report	SWM 1-8
3	Program Implementation	SWC - 104.0	Participate in all Technical Advisory Committees as appropriate in Watershed Management.	EPA					
3	Program Implementation	SWC - 105.0	Continue implementation of action items specified in the NY/NJ Harbor Estuary, Delaware Estuary Program and Barnegat Bay Estuary CCMPs.	RDA	State - General Fund	Federal - EPA Other	Not CPM	Other	SWM 1, 3, 5, 7, 8
3	Program Implementation	SWC - 106.0	Estuary Management: DELEP: Complete EPA action items specified in Strategic Action Plan and CCMP; HEP: Implement EPA commitments in CCMP; BBEP: Implement EPA commitments in CCMP.	EPA					
3	Permitting	SWC - 107.0	Continue to issue/renew municipal and industrial facilities discharge to surface water permits in accordance with N.J.A.C. 7:14A. DEP will submit a backlog reduction strategy for DSW major permits by November 30, 2001, and commits to achieving a goal of reducing the backlog for DSW major permits to 20% by December 31, 2002. DEP and EPA will work jointly to explore approaches to reduce the backlog even further.	FDQ	State - PPG Match	State - General Fund	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 108.0	Lead joint EPA/DEP permitting policy discussions and quarterly meetings to monitor work toward accomplishing the backlog reduction goals.	EPA					
3	Permitting	SWC - 109.0	Develop jointly with EPA an expedited NJPDES renewal process where DEP determines that no new requirements are warranted.	FDR	State - PPG Match	State - General Fund	Not CPM	Other	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Permitting	SWC - 110.0	Continue to take permit actions for municipal and industrial facilities in numerous watershed areas throughout the state; areas of concentration will be the Passaic (including upstream of the Dundee Dam, as necessary to support the expected settlement of the Consolidated Phosphorus Permit Appeals in the Passaic River Basin), Raritan and Hackensack basins as well as ocean discharges. Permit actions will be taken to incorporate WQBELs derived from TMDLs/WLAs adopted in accordance with the MOA schedule during 2002 through 2004, and taking into consideration the backlog reduction goals.	FDQ	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 111.0	Continue to implement CAFO Management Strategy, which includes identifying and permitting the universe of CAFOs in New Jersey; issue a draft CAFO General Permit by 9/01 and a final permit by 12/01.	FDR	State – General Fund	Federal – PPG	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 112.0	Continue to issue/renew industrial stormwater DSW permits in accordance with N.J.A.C. 7:14A, including issuance of permits on a watershed basis where possible, and minimize backlog.	FDR	State – General Fund	Federal – PPG	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 113.0	Continue Phase 1 Industrial Stormwater Regulation permit improvement efforts; develop three general permits, and provide permit coverage for Phase II Municipal and Stormwater Regulation Program by March 2003.	FDR	State – General Fund	Federal – PPG	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 114.0	Assure compliance with design criteria and watershed planning for the construction and operation of treatment works, in accordance with N.J.A.C. 7:14A-22 and 23.	FDL	State – General Fund		Not CPM	Other	SWM 1-8
3	Permitting	SWC - 115.0	Continue to provide technical support for innovative technologies to assist with TWA permitting.	EPA					
3	Permitting	SWC - 116.0	Continue to implement sewer ban and capacity assurance programs in accordance with N.J.A.C. 7:14A-22.	FDO	State – General Fund		Not CPM	Other	SWM 1-8
3	Permitting	SWC - 117.0	Continue to issue DSW permits that require the applicable provisions of the 9 Minimum Control Measures, consistent with the National CSO Control Policy and implementation of Solids/Floatables Control Measures; issue and/or amend permits to continue the development of Long Term Control Plans by requiring the preliminary development and evaluation of alternatives and the development of cost/performance curves.	FDN	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	SWM 1, 2, 3, 7, 8
3	Technical Assistance	SWC - 118.0	Provide input and assistance (including information from other states) regarding the scope of permit provisions for LTCPs and assist in coordinating these activities with the regulated communities.	EPA					SWM 1, 2, 3, 7, 8
3	Program Implementation	SWC - 119.0	Develop and implement federal grant program to implement Wet Weather Water Quality Act of 2000; oversee progress of the CSO/SSO Grants Workgroup and its three subgroups working on allotment formula, disadvantaged communities and priority systems; coordinate implementation with SRF.	EPA					SWM 1-8
3	Program Implementation	SWC - 120.0	Participate in CSO/SSO workgroup/subgroups to implement Wet Weather Water Quality Act of 2000; provide input on program; coordinate implementation with SRF as appropriate.	FDA	Federal – EPA Other	Federal – CW SRF	Not CPM	Other	SWM 1, 2, 3, 7, 8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Permitting	SWC - 121.0	Continue approval, modification and oversight of delegated pretreatment programs in accordance with N.J.A.C. 7:14A; continue to conduct audits in accordance with the protocol utilized in recent years; continue issuance of SIU permits in non-delegated areas; implement Metal Finishing Strategic Goals Program.	FDE	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Permitting	SWC - 122.0	Continue issuance of sludge management permits in accordance with N.J.A.C. 7:14A.	FDE	State – PPG Match	State – General Fund	Not CPM	Other	
3	Permitting	SWC - 123.0	Initiate discussion regarding 503 program delegation.	FDE	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Enforcement	SWC - 124.0	Continue to perform periodic compliance evaluation inspections of permitted NJPDES discharges in accordance with N.J.S.A. 58:10A-6; coordinate inspections with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	DEP Annual Report to the Legislature	SWM 1-8
3	Enforcement	SWC - 125.0	Conduct diagnostic and performance audit inspections at agreed upon facilities each FY and provide copies to DEP of its reports.	EPA					
3	Enforcement	SWC - 126.0	Consult with DEP before responding to outside inquiries on issues in which DEP is involved in litigation or administrative actions.	EPA					
3	Enforcement	SWC - 127.0	Continue to issue timely and appropriate enforcement actions for repeat and uncorrected minor violations and, in accordance with N.J.A.C. 7:14-8.5 and 8.9, for serious violations, and violations that cause a permittee to be, or continue to be, in SNC; coordinate needed enforcement actions with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	DEP Annual Report to the Legislature	SWM 1-8
3	Enforcement	SWC - 128.0	Continue to provide compliance assistance to NJPDES permitted facilities.	LBA	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Financial Assistance	SWC - 129.0	Continue to apply for timely award of SRF funds; continue to perform SRF program/project activities in accordance with Title VI of the CWA and N.J.A.C. 7:22; prepare Intended Use Plan and conduct public participation; provide support to EPA for National Information Management System; participate in Needs Survey in accordance with EPA requirements.	FDL	Federal – CW SRF	State – Bond Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	SWM 1-8
3	Financial Assistance	SWC - 130.0	Keep DEP informed of all construction grant closeout actions; timely performance of annual SRF review; provide support for National Information Management System and Needs Survey.	EPA					
3	Financial Assistance	SWC - 131.0	Continue to make State financing awards for wastewater, CSO and stormwater/NPS projects in conformance with 1985 Pinelande Bond Act, 1989 CSO/Stormwater Bond Act (including Sewage Infrastructure Improvement Act activities) and 1992 Clean Water Bond Act.	FDL	State – Bond Fund	State – General Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	SWM 1-8
3	Financial Assistance	SWC - 132.0	Use 604b pass-through funds for WQMP activities at the local level. (See Waiver of EPA's 604b Pass-through Funds Project/Contract Work Plan Approval Agreement).	RDA	Federal – EPA Other		Not CPM	Other	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Program Implementation	SWC - 133.0	Implement annual process for Watershed Protection Funds Grants.	RDA	State – General Fund		Not CPM	Other	SWM 1-8
3	Financial Assistance	SWC - 134.0	Continue to manage Clean Lakes grant projects.	RDI	Federal – EPA Other	State – Other	Not CPM	Other	SWM 4
3	Financial Assistance	SWC - 135.0	Oversee projects conducted under the Lakes Bond Act.	RDI	State – Bond Fund		Not CPM	Individual Project Reports	SWM-4
3	Planning	SWC - 136.0	Continue to implement through Watershed Management the provisions of NJ's upgraded NPS Management Plan which incorporates the 9 Key Elements. Further, municipalities permitted under the Municipal Stormwater Regulation Program will be required to implement BMPs to address NPS Pollution.	RDD	State – General Fund		Not CPM	305b Water Quality Inventory Report	SWM 1-8
3	Technical Assistance	SWC - 137.0	Provide technical assistance, attend meetings, review grant proposals, and provide input as needed.	EPA					
3	Program Implementation	SWC - 138.0	Update the list of Nationally Mandated Data Elements contained in the Grants Reporting and Tracking System (GRTS) for federally funded NPS Management projects; explore the possibility of reporting out and linking the project information to the 305b report.	RDD	Federal – PPG		Not CPM	305b Water Quality Inventory Report	SWM 1-8
3	Technical Assistance	SWC - 139.0	Provide continued assistance and training on GRTS.	EPA					
3	Planning	SWC - 140.0	Provide technical assistance in the development of WRAS.	EPA					
3	Program Implementation	SWC - 141.0	Explore partnership opportunities to implement key action items, including fish advisory related items.	DEP	Federal – PPG				
3	Program Implementation	SWC - 142.0	Implement CWAP key action items for Region 2; identify available resources for state implementation of key action items.	EPA					SWM 1-8
3	Program Implementation	SWC - 143.0	Implement the recommended management measures in the approved Coastal Nonpoint Pollution Control Plan through the combined efforts of the 319, 6217 and statewide watershed management initiatives.	ABB	State – General Fund	Federal – PPG	Not CPM		SWM 1, 5, 7, 8
3	Program Implementation	SWC - 144.0	Through the Clean Shores Programs, continue to use state prison labor to remove debris from harbor and estuary shorelines to reduce floatable debris incidents at ocean recreational areas.	RDB	State – General Fund		Not CPM	Environmental Indicators Technical Report	SWM 5
3	Program Implementation	SWC - 145.0	Support US Army Corps' drift removal program and skimmer vessel activity; continue daily floatable runs during the summer months and notify the Floatables Coordinator (DECA/WCB) as needed.	EPA					
3	Program Implementation	SWC - 146.0	Continue to implement the one-stop enforcement process; commence development of environmental compliance overview data.	LBA	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Technical Assistance	SWC - 147.0	Continue to provide operations management evaluations and technical assistance to small POTWs.	FDO	Federal – EPA Other	State – Bond Fund	Not CPM	Individual Project Reports	SWM 1-8
3	Technical Assistance	SWC - 148.0	Continue to provide assistance to counties and CEHA Agencies through Mapping Advisory Committee.	AQA	Federal – EPA Other		Not CPM		SWM 1, 2, 3, 5, 6
3	Education & Outreach	SWC - 149.0	Provide a database of interstate verified and certified EIT to POTWs to assist in meeting water milestones/objectives.	RCB	State – General Fund	Federal – Non-EPA	Not CPM	Individual Project Reports	SWM 1-8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Education & Outreach	SWC - 150.0	Continue to work on updating the Discharge Monitoring Report (DMR) Manual.	LBA	State – PPG Match	State – General Fund	Not CPM	Other	SWM 1-8
3	Education & Outreach	SWC - 151.0	Review and provide comments and guidance to DEP on proposed DMR Manual.	EPA					
3	Education & Outreach	SWC - 152.0	Continue publication of newsletters, pamphlets, technical manuals, and guidelines; maintain DWQ's webpage.	FDA	State – General Fund		Not CPM	Other	SWM 1-8
3	Education & Outreach	SWC - 153.0	Continue publication of information regarding financing opportunities and need and benefits of maintaining, improving plant/system infrastructure.	FDL	Federal – CW SRF	State – Bond Fund	Not CPM	Other	SWM 1-8
3	Education & Outreach	SWC - 154.0	Conduct training and prepare outreach materials for local officials, non-profit organizations and the general public on ground water issues, NPS issues, and watershed management.	RDF	State – General Fund		Not CPM	Other	SWM 1-8
3	Education & Outreach	SWC - 155.0	Provide EPA speakers as appropriate.	EPA					
3	Education & Outreach	SWC - 156.0	Maintain watershed website to provide public access to statewide, regional, and Watershed Agencies and DEP homepage.	RDC	State – General Fund		Not CPM	Other	SWM 1-8
3	Education & Outreach	SWC - 157.0	Provide link from the EPA Surf Your Watershed site to the NJ Website. Reconcile differences between USEPA and RDA databases.	EPA					
3	Education & Outreach	SWC - 158.0	Develop protocol for release of new policies, interpretations and/or positions on specific matters that allows for adequate and advance consultation and coordination with DEP.	EPA					
3	Education & Outreach	SWC - 159.0	Prior to public release of EPA data and/or information concerning NPDES Permitting and Enforcement program, efforts shall be undertaken to identify and resolve any discrepancies with State data. Any unresolvable discrepancies shall be duly noted and explained.	EPA					
3	Education & Outreach	SWC - 160.0	Work Cooperatively with DEP to address differences in web-based information and add a link to DEP website.	EPA					
3	Planning	SWC - 161.0	Report progress implementing watershed management through targeted and statewide activities and programs at quarterly coordination meetings.	RDA	State – General Fund	Federal – PPG			SWM 1-8
3	Technical Assistance	SWC - 162.0	Provide guidance and support to statewide and regional on Watershed Management efforts; share information with DEP on EPA HQ's and other states' efforts.	EPA					
3	Program Implementation	SWC - 163.0	Continue to maintain New Jersey's Water Quality Standards Program including triannual review and stream reclassifications.	RHI	State – General Fund		Not CPM	New Jersey Register	SWM 1-8
3	Program Implementation	SWC - 164.0	Submit DEP's Continuing Planning Program (CPP) to EPA for approval 12/31/01 and update as necessary.	RDA	State – General Fund		Not CPM	Other	SWM 1-8
	Phase 4 = Strategy Evaluation								

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
4	Data Analysis & Reporting	SWC - 165.0	Provide annual (electronic) update using the Assessment Database (ADB) to EPA's contractor (RTI) by April of each year. Issue final biennial reports by April 1, 2002 and 2004.	RCE	State – General Fund	Federal – PPG	Not CPM	305b Water Quality Inventory Report	SWM 1-8
4	Data Analysis & Reporting	SWC - 166.0	Continue to provide timely technical assistance for assessment methodologies and monitoring program techniques and review; EPA and RTI to provide technical assistance for use of ADB.	EPA					
4	Data Analysis & Reporting	SWC - 167.0	Complete Watershed Characterization and Assessments as per the Watershed Management Implementation schedule.	RCD	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	SWM 1-8
4	Indicators	SWC - 168.0	Conduct analysis needed to assess status and trends for water indicators and core performance measures.	AAA	Federal – PPG	State – General Fund	Not CPM	Environmental Indicators Technical Report	SWM 1-8
4	Indicators	SWC - 169.0	Continue cross-program coordination in the development of quantitative and qualitative milestones; develop and improve indicators suite; including coordination of appropriate marine/estuarine water quality and coastal indicators; use milestones and indicators to develop strategies; continue to integrate with watershed management efforts.	AAA	Federal – PPG	State – General Fund	Not CPM	Other	SWM 1-8
4	Indicators	SWC - 170.0	Develop, compile and analyze effectiveness of pretreatment related performance measure.	FDE	Federal – EPA Other		Not CPM	Other	
4	Data Analysis & Reporting	SWC - 171.0	Provide annual progress report on PPA commitments.	AAA	Federal – PPG		Not CPM	NEPPS Annual Performance Report	SWM 1-8
4	NEPPS Steering Committee	SWC - 172.0	Organize 2 meetings over 3 year PPA period.	EPA					
4	Data Analysis & Reporting	SWC - 173.0	Assess SWQS status and designated use attainment using available monitoring data and information for Water Quality Inventory (305b), Impaired Waterbodies List (303d), Watershed Characterization and Assessment, Water Quality Indicators.	RCE	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	SWM 1-8
4	Data Analysis & Reporting	SWC - 174.0	Characterize sediment quality in tidal and non-tidal waters using available data; assess impacts to biota; apportion sources, including air (Focus Area 10).	RCE	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	SWM 7
4	Data Analysis & Reporting	SWC - 175.0	Review results of water related components of NJ Comparative Risk project to facilitate and inform monitoring, planning and assessment efforts.	RCA	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	SWM 1-8
4	Indicators	SWC - 176.0	Continue development of a fishable index using available biological metrics, fisheries resources and fish consumption advisories (focus area).	RCE	Federal – PPG	State – General Fund	Not CPM	Other	SWM 2, 3, 4
4	Indicators	SWC - 177.0	Evaluate and refine water and enforcement indicators and core performance measures.	AAA	State – General Fund	Federal – PPG	Not CPM	Environmental Indicators Technical Report	SWM 1-8
4	Indicators	SWC - 178.0	Participate on national committees; work cooperatively with DEP to refine measures.	EPA					

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
4	Indicators	SWC -	179.0	Use Self-Assessment, which includes indicators and program assessments, to evaluate environmental effectiveness of water programs' implementation actions.	AAA	Federal – PPG	State – General Fund	Not CPM	Environmental Indicators Technical Report	SWM 1-8
4	Indicators	SWC -	180.0	Prepare EPA Annual Performance Report.	EPA					
4	Data Analysis & Reporting	SWC -	181.0	Use PPA to refine data collection, management, assessment, and strategy implementation.	AAA	Federal – PPG	State – General Fund	Not CPM	Other	SWM 1-8

GROUND WATER

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Ground Water Quality						
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 1.0	Status and trends of nitrate loads to ground water from: fertilizer application; sludge-derived product application.	Cause	FDR	Inventory, Ambient GW network	Future Reporting
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 2.0	Status and trends of nitrate loads to ground water: geographic distribution of nitrate loadings from septic systems and point sources.	Cause	FDR	Inventory	Other Committed
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 3.0	Status and trends of nitrate levels in ground water and extent monitored in ambient monitoring network.	Condition	RCQ	NJGS Database, Ambient GW network	Other Committed
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 4.0	See DWI #23 and #38.	Condition	BCC		
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 5.0	Percent of permitted ground water discharges that meet nitrate limits or standards.	Response	FDR	NJEMS	Other Committed
GWM - 1.0	Reduce or control nitrate levels in ground water	GW1 - 6.0	Percent of POTWs that are beneficially reusing all or part of their biosolids and, where data exists, % of biosolids generated that are beneficially reused. (CPM #7)	Response	FDE	NJEMS	CPM-National
GWM - 2.0	Reduce or control pesticide levels in ground water	GW1 - 7.0	Total amounts of pesticides applied annually.	Cause	LDF	Arc View	Other Committed
GWM - 2.0	Reduce or control pesticide levels in ground water	GW1 - 8.0	Total use of pesticides known to leach to ground water.	Cause	LDF	Arc View	Other Committed
GWM - 2.0	Reduce or control pesticide levels in ground water	GW1 - 9.0	Status and trends of pesticides concentrations in ground water in ambient monitoring network.	Condition	RCQ	NJGS Database, Ambient GW network	Other Committed
GWM - 2.0	Reduce or control pesticide levels in ground water	GW1 - 10.0	Extent and efficacy of pesticide BMP implementation.	Response	LDF	Arc View	Future Reporting
GWM - 3.0	Reduce number of potable wells with fecal coliform contamination	GW1 - 11.0	Status and trends of fecal coliform loads to ground water (and lakes) from: point sources; septic systems; animal feed lots; failing sewerage infrastructure.	Cause	FDR	NJEMS	Future Reporting
GWM - 3.0	Reduce number of potable wells with fecal coliform contamination	GW1 - 12.0	See DWI #1 and #2.	Condition	BCC		
GWM - 3.0	Reduce number of potable wells with fecal coliform contamination	GW1 - 13.0	Percent of permitted ground water discharges regulated for fecal coliform that meet permit limits for fecal coliform.	Response	FDR	NJEMS	Other Committed
GWM - 4.0	Reduce or control VOC contamination of ground water	GW1 - 14.0	Status and trends of VOC loadings to ground water from: permitted point discharges; non-permitted point discharges; onsite sewage disposal; accidental spills and releases.	Cause	FDR		Future Reporting
GWM - 4.0	Reduce or control VOC contamination of ground water	GW1 - 15.0	See DWI #24 through #26 and #40.	Condition	BCC		
GWM - 4.0	Reduce or control VOC contamination of ground water	GW1 - 16.0	Status and trends of VOC levels in ground water and extent monitored in ambient monitoring network.	Condition	RCQ		Future Reporting
GWM - 4.0	Reduce or control VOC contamination of ground water	GW1 - 17.0	Percent of permitted ground water discharges regulated for VOCs that meet permit limits for VOCs.	Response	FDR	NJEMS	Other Committed
GWM - 4.0	Reduce or control VOC contamination of ground water	GW1 - 18.0	Status of remediation efforts in VOC-contaminated areas.	Response	MMA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
GWM - 5.0	Reduce or control selected metals contamination in ground water (metal including but not limited to mercury, cadmium, chromium, lead and arsenic)	GW1 - 19.0	Status and trends of metals loadings to groundwater from: a: permitted point sources; b: non-permitted point sources; c: atmospheric deposition; d: septic systems; e: land application of sludge-derived products; f: spills and accidental releases; g: land disposal of dredge materials; h: natural occurrence.	Cause	FDR	NJEMS Div. Solid Waste SRP DSRP	Future Reporting
GWM - 5.0	Reduce or control selected metals contamination in ground water (metals including but not limited to mercury, cadmium, chromium, lead and arsenic)	GW1 - 20.0	See DWI #39 (Ar & Hg) and DWI #22 (Pb).	Condition	BCC		
GWM - 5.0	Reduce or control selected metals contamination in ground water (metals including but not limited to mercury,	GW1 - 21.0	Status and trends of metals in ground water and extent of monitoring in ambient monitoring network.	Condition	RCQ	Research studies	Other Committed
GWM - 5.0	Reduce or control selected metals contamination in ground water (metals including but not limited to mercury, cadmium, chromium, lead and	GW1 - 22.0	Status and trends of selected metals levels in precipitation and dryfall and extent of monitoring their impact in private and other wells.	Condition	RCA	Research studies	Future Reporting
GWM - 6.0	Determine presence of unidentified or tentatively identified synthetic organic compounds (SOCs) in ground water	GW1 - 23.0	Number and distribution of wells with unidentified or tentatively identified compounds.	Condition	RCA	Research studies EPA NJDHHS	Future Reporting
GWM - 6.0	Determine presence of unidentified or tentatively identified synthetic organic compounds (SOCs) in ground water	GW1 - 24.0	Number of wells shut off or alternate wells used due to presence of SOC's.	Response	BCC	NJPWS County Health Depts.	Future Reporting
GWM - 7.0	Identify and characterize radioactivity in ground water	GW1 - 25.0	Status of naturally occurring radioactive aquifer materials.	Cause	RCQ		Future Reporting
GWM - 7.0	Identify and characterize radioactivity in ground water	GW1 - 26.0	Susceptibility of aquifers to contamination by radioactivity: a: gross alpha & beta b: radium c: uranium d: radon.	Cause	RCQ		Future Reporting
GWM - 7.0	Identify and characterize radioactivity in ground water	GW1 - 27.0	See various indicators under Safe & Healthy Communities/Radiation.	Cause			
GWM - 7.0	Identify and characterize radioactivity in ground water	GW1 - 28.0	See DWI #3 and #30 through #36 and #41.	Condition	RCQ		
GWM - 7.0	Identify and characterize radioactivity in ground water	GW1 - 29.0	Status and trends of gross alpha & beta in ground water and extent of monitoring ambient monitoring network.	Condition	RCQ	NJGS Database, Ambient GW network	Other Committed
GWM - 9.0	By 2005, the status of shallow groundwater quality will be assessed	GW1 - 30.0	Status of development and implementation of redesigned ambient ground water quality monitoring network.	Response	RCQ	NJGS Database	Other Committed

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment									
1	Ambient & Facility Monitoring	GWC	1.0	Continue operation, selection of sample sites, installation of wells and sampling of the developing 150 well Ambient Ground Water Quality Monitoring Network.	RCQ	Federal – PPG	State – General Fund	Not CPM	305b Water Quality Inventory Report	GWM 1-8
1	Ambient & Facility Monitoring	GWC	2.0	Monitor biosolids radium concentrations - conditioned upon Federal funding approval.	FDE	Federal – EPA Other		Not CPM	Individual Project Reports	GWM 7
1	Ambient & Facility Monitoring	GWC	3.0	Monitor biosolids dioxin concentrations - conditioned upon Federal funding approval.	FDE	Federal – EPA Other		Not CPM	Individual Project Reports	GWM 7
1	Data Management	GWC	4.0	Continue to manage monitoring required in DGW permits including distribution, receipt and data entry (key and verify) of monitoring report forms; and perform data queries and prepare reports as needed.	FDJ	State – PPG Match	State – General Fund	Not CPM	Other	GWM 1-8
1	Geographic Information Systems	GWC	5.0	Continue and expand ongoing compilation of GIS-based groundwater resource, geologic, geoenvironmental and geophysical data sets and coverages on a watershed management area basis.	RCS	State – General Fund		Not CPM	Other	GWM 1-8
1	Research	GWC	6.0	Continue to produce county and watershed scale aquifer recharge maps.	RCQ	State – General Fund		Not CPM	305b Water Quality Inventory Report	GWM 1-8
1	Research	GWC	7.0	Continue to investigate the hydrogeologic characteristics of aquifers in New Jersey.	RCQ	State – General Fund		Not CPM	305b Water Quality Inventory Report	GWM 1-8
1	Research	GWC	8.0	Develop numerical hydrogeologic water supply models for areas with present and future concerns related to the allocation of water resources; maintain and use existing model(s) to delineate Wellhead Protection Areas.	RCQ	State – General Fund		Not CPM	Other	GWM 1-8
1	Research	GWC	9.0	Characterize the sources, distribution and concentration of arsenic (and other metals) in ground water of the Piedmont (and possibly other) Physiographic Provinces.	RCQ	State – General Fund	Federal – PPG	Not CPM	Other	GWM 5
1	Research	GWC	10.0	Develop a report and vulnerability map summarizing the results of the arsenic in ground water of the Piedmont project.	RCQ	State – General Fund	Federal – PPG	Not CPM	Other	GWM 5
	Phase 2 = Strategic Planning									
2	Program Development	GWC	11.0	Negotiate a new Memorandum of Agreement with EPA; revise NJPDES regulations by February 2002 to comply with 40CFR144 Class V regulations.	FDR	State – General Fund	Federal – PPG	Not CPM	Other	GWM 1-8
2	Program Development	GWC	12.0	Address failing and inappropriately located septic systems through revisions to NJPDES regulations including Innovative and Alternative Technology, Onsite Wastewater Management Inspection Certification, and annual health department reports to DEP.	FDR	State – General Fund	Federal – PPG	Not CPM	Individual Project Reports	GWM 1, 3
2	Protocol Development	GWC	13.0	Establish workgroup to evaluate current approaches, rules, and standards to systematically prevent contaminated ground water from adversely impacting surface water quality.	FDR	State – General Fund		Not CPM	NEPPS Annual Performance Report	GWM 8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
2	Rule Development	GWC 14.0	Propose technical amendments to GWQS (N.J.A.C. 7:9-6) in SFY01 and adopt in SFY2002; propose substantive amendments and recodification of GWQS to N.J.A.C. 7:9C-1 in SFY2001 and adopt in SFY2002.	RDA	State – General Fund		Not CPM	New Jersey Register	GWM 1-8
	Phase 3 = Strategy Implementation								
3	Compliance Assistance	GWC 15.0	Continue to provide compliance assistance to NJPDES permitted facilities, including an informational tracking system.	LBA	State – PPG Match	State – General Fund	Not CPM	DEP Annual Report to the Legislature	GWM 1, 3, 4, 5, 6, 8
3	Compliance Evaluation	GWC 16.0	Continue to conduct monitoring of discharges to ground water (including UIC) at permitted NJPDES facilities; enforcement monitoring will be coordinated with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	Other	GWM 1, 3, 4, 5, 6, 8
3	Compliance Evaluation	GWC 17.0	Issue NJPDES-UIC permits for cleanups, monitor results, and respond as appropriate to any exceedances of permit conditions.	MMA	State – PPG Match	State – General Fund	Not CPM	SRP Quarterly Report	GWM 4, 5, 7
3	Compliance Evaluation	GWC 18.0	Conduct inspections at UIC Site Remediation-permitted sites.	MMA	Federal – PPG	State – General Fund	Not CPM		GWM 4, 5, 7
3	Education & Outreach	GWC 19.0	Provide geologic, hydrogeologic and geophysical information to the public and private sectors and state, local and federal agencies.	RCS	State – General Fund		Not CPM	Individual Project Reports	GWM 1-8
3	Enforcement	GWC 20.0	In accordance with N.J.S.A. 58:10A-6, continue to perform periodic compliance evaluation inspections of permitted NJPDES discharges to groundwater, coordinate inspections with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	DEP Annual Report to the Legislature	GWM 1, 3, 4, 5, 7
3	Enforcement	GWC 21.0	Continue to issue timely and appropriate enforcement actions for repeat and uncorrected minor violations and in accordance with N.J.S.A. 58:10A-10.1 and N.J.S.A. 7:14-8.5 and 8.9, for serious violation, and violations that cause a permittee to be, or continue to be, in SNC; coordinate needed enforcement actions with any prioritized watershed initiative.	LBA	State – PPG Match	State – General Fund	Not CPM	DEP Annual Report to the Legislature	GWM 1, 3, 4, 5, 7
3	Permitting	GWC 22.0	Continue to issue/renew industrial/sanitary NJPDES DGW permits with provisions to protect GWQS in accordance with N.J.A.C. 7:14A. These will be issued as individual permits, general permits, or permits-by-rule. When possible, they will be issued on a watershed basis or to minimize backlog.	FDR	State – PPG Match	State – General Fund	Not CPM	Doria Report	GWM 1, 3, 4, 5, 7
3	Permitting	GWC 23.0	Conduct UIC permitting, remediation and enforcement activities in accordance with N.J.A.C. 7:14A, 7:26C and N.J.S.A. 58:10A-10, respectively; Remedial Priority System is applicable where owner does not comply with cleanup directives.	FDR	State – General Fund	Federal – PPG	Not CPM	Other	GWM 1, 3, 4, 5, 7
	Phase 4 = Strategy Evaluation								

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
4	Data Analysis & Reporting	SWC 24.0	Report number of Class IV/V wells (by well type) brought under specific controls through permits and closures; provide narrative of other actions taken to identify Class V wells and to address potential endangerment from Class V wells.	FDR	State – PPG Match	State – General Fund	Not CPM	Individual Project Reports	GWM 1-8
4	Data Analysis & Reporting	SWC 25.0	Report number of abandoned or other wells (by well type) plugged as a direct action by the UIC program or indirectly by another program working in partnership with UIC to protect USDWs.	FDR	State – PPG Match	State – General Fund	Not CPM	Individual Project Reports	GWM 1-8
4	Data Analysis & Reporting	SWC 26.0	Write regional and state reports concerning ground water status and trends based on indicators (additional staff needed).	RCQ	Federal – PPG		Not CPM	305b Water Quality Inventory Report	GWM 1-8
4	Data Analysis & Reporting	SWC 27.0	Improve groundwater assessment in 305b report through NEPPS (SRP and GW Work Groups) and Watershed Management activities.	RCE	State – General Fund	Federal – PPG	Not CPM	305b Water Quality Inventory Report	GWM 1-8
4	Data Analysis & Reporting	SWC 28.0	Improve groundwater assessment in 305b report through NEPPS (SRP and GW Work Groups) and Watershed Management activities.	RCE	State – General Fund	Federal – PPG	Not CPM	305b Water Quality Inventory Report	GWM 1-8
4	Indicators	SWC 29.0	Develop ground water indicators based on network data results (additional staff needed).	RCQ	Federal – PPG		Not CPM	305b Water Quality Inventory Report	GWM 1-8

DRINKING WATER

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Drinking Water Standards						
DWM - 1.0	By 2005, 98% of the public water systems (and 98% of the population served) will provide water that meets the microbiological drinking water standards.	DWI - 1.0	Percent of public water systems (populations) providing drinking water that meets all microbiological drinking water standards throughout the year. (CPM #1)	Condition	BCC	NJ Public Water System database	CPM-National
		DWI - 2.0	For CWS, number (%) of months without an acute (fecal) MCL violation and without a monthly total coliform MCL violation per year.	Condition	BCC	NJ Public Water System database	Other Committed
DWM - 2.0	By 2005, 95% of the public water systems will provide water that meets the NJ chemical and radiological drinking water standards)	DWI - 3.0	Percent of public water systems (populations) providing drinking water that meets all NJ chemical and radiological drinking water standards throughout the year. (CPM #1)	Condition	BCC	NJ Public Water System database	CPM-National
		DWI - 4.0	Location of DW-SRF expenditures.	Response	BCC	DW-SRF Project Priority List	Other Committed
	Subgoal 2 = Source Water						
DWM - 3.0	Surface Water - By 2003, all surface water intakes will have a completed Source Water Assessment	DWI - 5.0	Assess Drinking Water designated use attainment in rivers for nitrate. (CPM #4d)	Condition	RCE	Various	CPM-National
		6.0	Land use/activities surrounding CWS intakes.	Cause	BCC	Various	Other Committed
		DWI - 7.0	Number (%) of surface water intakes with: a: delineations b: source inventories c: contingency plans d: source management plans.	Response	BCC	Various	Other Committed
DWM - 4.0	Ground Water - By 2003, all public water system wells will have a completed Source Water Assessment	DWI - 8.0	Susceptibility of CWS and NTNC wells to surface contamination.	Cause	RCE	Various	Other Committed
		DWI - 9.0	Land use/activities surrounding CWS and NTNC wells.	Cause	RCE	Various	Other Committed
		DWI - 11.0	Number (%) of public water systems wells with: a: delineations b: source inventories c: contingency plans d: source management plans.	Response	BCC	Various	Other Committed
	Subgoal 3 = Waterborne Infectious Disease						

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
DWM - 5.0	All public water systems will deliver drinking water that does not result in detectable waterborne infectious disease	DWI - 12.0	Surface Water - Number of surface water treatment plants without filtration.	Cause	BCC	NJ Public Water System database	Other Committed
		DWI - 16.0	Number of events resulting in the release of untreated sewage from POTWs including pump station bypasses upstream of potable water intakes.	Cause			Future Reporting
		DWI - 17.0	Ground Water - Number of CWS and NTNC supply wells under the influence of surface water.	Cause	BCC	NJ Public Water System database	Other Committed
		DWI - 18.0	Number of waterborne disease outbreaks casued by drinking water identified by DHSS.	Condition	RCE	Center for Disease Control	Other Committed
		DWI - 19.0	Percent of CWS and NTNC that have disinfection.	Response	BCC	NJ Public Water System database	Other Committed
		DWI - 20.0	Status and trends of compliance with the surface water treatment rule for turbidity.	Response	BCC	NJ Public Water System database	Other Committed
		DWI - 21.0	Percent of non-community water systems that take at least 2 total coliform samples a year.	Response	BCC	NJ Public Water System database	Other Committed
	Subgoal 4 = Lead						
DWM - 6.0	Every person in New Jersey should drink water with lead concentrations less than 15 ppb.	DWI - 22.0	Percent of CWS and NTNC that exceeded the lead action level.	Condition	BCC	NJ Public Water System database	Other Committed
	Subgoal 5 = Nitrate						
DWM - 7.0	By 2005, 98% of all public water systems should meet the nitrate MCL (violations)	DWI - 23.0	Number (%) of CWS (populations), NTNC, and TNC POEs with nitrate concentrations greater than 5 ppm, 10 ppm (analyzed separately for GW and SW).	Condition	BCC	NJ Public Water System database	Other Committed
	Subgoal 6 = VOCs						
DWM - 8.0	By 2005, 95% of CWS and NTNC water systems should meet the VOC MCLs (exceedances)	DWI - 25.0	Number (%) of CWS (population) and NTNC with concentrations of VOCs greater than the MCLs and with detectable concentrations of VOCs less than the MCLs.	Condition	BCC	NJ Public Water System database	Other Committed
		DWI - 26.0	Number (%) of POEs with VOCs greater than the MCLs and with detectable concentrations of VOCs less than the MCLs (reported separately for SW and GW).	Condition	BCC	NJ Public Water System database	Other Committed
	Subgoal 7 = Disinfection Byproducts						

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
DWM - 9.0	(CWS Only) - By 2005, reduce the annual average concentration of TTHM in all water systems using surface water to 80 ppb or less.	DWI - 27.0	Number of surface water sources with TOC concentrations greater than 4 mg/l.	Cause	BCC	NJ Public Water System database	Other Committed
		DWI - 28.0	Number (%) of CWS (populations) with TTHM concentrations less than 80 ppb (reported separately for SW and GW).	Condition	BCC	NJ Public Water System database	Other Committed
DWM - 10	Determine the concentrations of haloacetic acids in CWS distribution systems	DWI - 29.0	Evaluate existing data on concentrations of haloacetic acids in the distribution system.	Response	RCE	ICR data	Other Committed
	Subgoal 8 = Radiologicals						
DWM - 11	By 2005, 95% of the samples from CWS will meet the radiological standards (gross alpha, radium 226/228)	DWI - 30.0	Geographical distribution of ground water samples with gross alpha, radium 226/228 greater than MCL.	Cause	RCE	NJ Public Water System database	Other Committed
		DWI - 31.0	Number (%) of CWS that exceeded the gross alpha MCL and the radium 226/228 MCL.	Condition	BCC	NJ Public Water System database	Other Committed
DWM - 12	Develop a plan to address the issue of radon and unregulated radionuclides in PWS.	DWI - 33.0	Geographical distribution of ground water samples with radon greater than 300 pCi/l.	Cause			Future Reporting
		DWI - 34.0	Concentration of radon in public water supply wells in NJ.	Condition			Future Reporting
DWM - 13	Reduce and control tritium, gross beta and specific gamma levels in drinking water	DWI - 35.0	Status and trends of tritium levels in drinking water in private and other wells reservoirs.	Condition	FAO	BNE databases	Future Reporting
		DWI - 36.0	Status and trends of gross beta and specific gamma levels in private and other wells reservoirs.	Condition	FAO	BNE databases	Future Reporting
	Subgoal 9 = Private Wells						
DWM - 14	By 2005, evaluate the water quality of private wells in NJ	DWI - 37.0	Status and geographic distribution of bacterial exceedences of MCLs in private wells.	Condition	BCC	New database	Other Committed
		DWI - 38.0	Status and geographic distribution of nitrate exceedences of MCL in private wells.	Condition	BCC	New database	Other Committed
		DWI - 39.0	Status and geographic distribution of arsenic and mercury exceedences of MCLs in private wells.	Condition	BCC	New database	Other Committed
		DWI - 40.0	Status and geographic distribution of volatile organic chemical exceedences of MCLs in private wells.	Condition	BCC	New database	Other Committed
		DWI - 41.0	Status and geographic distribution of radionuclides exceedences of MCLs in private wells.	Condition	BCC	New database	Other Committed

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Phase 1 = Data Collection & Assessment								
	Data Management	DWC - 1.0	Maintain the inventory and monitoring results for all public water systems.	BCC	Federal – PPG		Not CPM	Other	DWM 1-11
	Data Management	DWC - 2.0	Maintain DEP's automated compliance determination and violations tracking system. (C&E CPM #1, #2, #5-#8)	BCC	Federal – PPG		CPM-Negotiated	Other	DWM 1, 2, 6, 7, 9, 10, 11
	Data Management	DWC - 3.0	Improve drinking water data management system by developing NJEMS-SDWIS/State data management system.	BCC	Federal – PPG		Not CPM	Other	DWM 1-11
	Data Management	DWC - 4.0	Provide SDWIS access and training as necessary.	EPA					DWM 1-11
	Geographic Information	DWC - 5.0	Track source water assessment area delineations	RCS	Federal – DW		Not CPM	Other	DWM 4
	Geographic Information	DWC - 6.0	Track source water assessment areas (surface water)	BCC	Federal – DW		Not CPM	Other	DWM 3
	Geographic Information	DWC - 7.0	Track contaminant source inventories for ground water	RCE	Federal – DW		Not CPM	Other	DWM 4
	Geographic Information	DWC - 8.0	Track contaminant source inventories for surface water	BCC	Federal – DW		Not CPM	Other	DWM 3
	Data Management	DWC - 9.0	Provide SNC reports to DEP on a quarterly basis.	EPA					DWM 1, 2
	Data Management	DWC - 10.0	Conduct a minimum of 1 data review of drinking water	EPA					DWM 1-11
	Ambient & Facility Monitoring	DWC - 11.0	Perform SOC monitoring for vulnerability waivers.	BCC	Federal – DW		Not CPM	Other	DWM 2, 3, 4, 7,
	Ambient & Facility Monitoring	DWC - 12.0	Perform new well tests.	BCC	Federal –		Not CPM	Other	DWM 1-5, 7, 8,
	Ambient & Facility Monitoring	DWC - 13.0	Provide drinking water quality testing as needed.	BCC	Federal –		Not CPM	Other	DWM 1-11
	Ambient & Facility Monitoring	DWC - 14.0	Provide radiological monitoring of drinking water from areas nearby nuclear power plants.	BNE	State – Other		Not CPM	Other	
	Quality Assurance/Quality Control	DWC - 15.0	Maintain certification program for drinking water laboratories.	CCC	State – General Fund		Not CPM	Other	DWM 1-11
	Quality Assurance/Quality Control	DWC - 16.0	Participate in the development and implementation of QAMP commitments.	BCC	Federal – PPG		Not CPM	Other	DWM 1-11
	Quality Assurance/Quality Control	DWC - 17.0	Certify principal State drinking water laboratory.	EPA					DWM 1-11
	Quality Assurance/Quality Control	DWC - 18.0	Approve QAMP.	EPA					DWM 1-11
Research	DWC - 19.0	Conduct research and technical support related to drinking water quality.	RCE	State – General Fund		Not CPM	Other	DWM 1-11	
2	Phase 2 = Strategic Planning								
Program Development	DWC - 20.0	1. Continue to develop quantitative milestones. 2. Develop and improve indicators suite. 3. Cross-Program Coordination.	BCC	Federal – PPG		Not CPM	NEPPS Annual Performance	DWM 1-11	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Program Development	DWC - 21.0	Integrate WHPP into the Source Water Assessment Program.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3, 4
	Program Development	DWC - 22.0	Radon Task Force to coordinate the drinking water program with the indoor air program to determine the feasibility and impacts of developing a multi-media radon mitigation program for drinking water.	CBD	Federal – DW SRF		Not CPM	Other	DWM 12
	Program Development	DWC - 23.0	Prepare Governor's letter 90 days after the EPA Radon Rule finalized.	CBD	Federal – DW SRF		Not CPM	Other	DWM 12
	Program Development	DWC - 24.0	Radium Task Force to develop guidance for the safe treatment and disposal for radionuclides removed during the water treatment process.	CBD	Federal – PPG		Not CPM	Other	DWM 11, 12
	Program Development	DWC - 25.0	Collect background levels of radionuclides at sewage treatment plants.	CBD	Federal – PPG		Not CPM	Other	DWM 11, 12
3	Phase 3 = Strategy Implementaion								
	Program Implementation	DWC - 26.0	Maintain primacy and fully implement PWSS Program regulations (including primacy reporting requirements) with focus on total coliform, surface water treatment, lead and copper, and phase II/V contaminants rules consistent with the <u>State Priorities Guidance</u> .	BCC	Federal – PPG		Not CPM	Other	DWM 1, 2, 5 - 12
	Program Implementation	DWC - 27.0	Primacy Rule Applications will be submitted according to the EPA-approved extension request to address: <ul style="list-style-type: none"> * PWS definition * Administrative Penalty * Emergency Plan * Consumer Confidence Report Rule * Variances and Exemptions 	BCC	Federal – PPG		Not CPM	Other	DWM 1-11
	Program Implementation	DWC - 28.0	Submit annual DWSRF capitalization grant	BCC	Federal – DW		Not CPM	Other	DWM 1-4
	Program Implementation	DWC - 29.0	Develop and implement an interstate reciprocity system for innovative technology and regulatory acceptance.	RCB	State - Other		Not CPM	Other	DWM 1, 2, 6-9, 11, 14
	Program Implementation	DWC - 30.0	Implement Memoranda of Understanding pending primacy application: <ul style="list-style-type: none"> * PWS definition * Administrative Penalty * Emergency Plan * Consumer Confidence Report Rule * Variances and Exemptions 	BCC	Federal – PPG		Not CPM	Other	DWM 1-11
	Program Implementation	DWC - 31.0	Review and approve primacy submissions.	EPA					DWM 1-11
	Financial Assistance	DWC - 32.0	Review and approve DWSRF grant application.	EPA					DWM 1-4
	Program Implementation	DWC - 33.0	Review and approve construction plans for water treatment facilities.	BCC	Federal – PPG	State – General Fund	Not CPM	Other	DWM 1, 2, 5-12, 14
	Program Implementation	DWC - 34.0	Manage the physical connection program.	BCC	Federal –		Not CPM	Other	DWM 1, 2, 5-12,
	Program Implementation	DWC - 35.0	Issue licenses for qualified PWS personnel.	JCE	State - General Fund	Federal – PPG	Not CPM	Other	DWM 1, 2, 5-9, 11

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Technical Assistance	DWC - 36.0	Provide training courses for operators to improve compliance with the lead and copper rule and other upcoming rules.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1-12
	Technical Assistance	DWC - 37.0	Maintain approved operator certification program for public water systems.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1-11
	Program Implementation	DWC - 38.0	Implement the Capacity Development Program.	BCC	Federal – DW		Not CPM	Other	DWM 1-11
	Technical Assistance	DWC - 39.0	Provide routine technical assistance to public and private water systems.	BCC	Federal – PPG		Not CPM	Other	DWM 1-12, 14
	Technical Assistance	DWC - 40.0	Provide technical advice to PWSs in emergency situations.	BCC	Federal – PPG		Not CPM	Other	DWM 1-12
	Technical Assistance	DWC - 41.0	Provide a database of interstate verified and certified drinking water innovative technologies to assist in meeting drinking water milestones/objectives.	RCB	State - Other		Not CPM	Other	DWM 1, 2, 6-9, 11, 14
	Technical Assistance	DWC - 42.0	Perform mid-season sampling of drinking water supplies for coliform bacteria and nitrates at migrant labor camps. DEP will transmit EPA funds, if available, to the counties to cover the cost of collection and analyses for these acute contaminants.	CEH	Federal – PPG		Not CPM	Other	DWM 5, 7, 14
	Compliance Evaluation	DWC - 43.0	Continue to perform periodic compliance evaluation inspections of PWS, at least biennially for CWS and once every five years for non-community water systems.	LBA	Federal – PPG	State – Other	Not CPM	Other	DWM 1, 2
	Enforcement	DWC - 44.0	Resolution of SNC lists.	LBA	Federal – PPG	State – Other	Not CPM	Other	DWM 1, 2
	Enforcement	DWC - 45.0	Continue to issue timely and appropriate enforcement actions, in accordance with N.J.S.A. 58:12A-10 and N.J.A.C. 7:10-3, for violations that cause a PWS to be an SNC.	LBA	Federal – PPG	State – Other	Not CPM	Other	DWM 1,2
	Enforcement	DWC - 46.0	Provide up to date and timely SNC lists to DEP on a quarterly basis for resolution, and address unaddressed SNCs.	EPA					DWM 1,2
	Financial Assistance	DWC - 47.0	Continue to make State financing awards and payments for the Water Supply Bond Loan Program. Program to be phased out by 2003.	BCC	State – Bond Fund		Not CPM	Other	DWM 1,2
	Financial Assistance	DWC - 48.0	Continue to apply for timely award of DWSRF funds; continue to perform DWSRF project management activities in accordance with the federal Safe Drinking Water Act and NJAC 7:22; develop Intended Use Plan and conduct public participation; assure that recipients have met capacity development requirements; participate in needs survey and provide support to EPA for the DW NIMS.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1, 2
	Program Implementation	DWC - 49.0	Delineate Source Water Protection Areas for all community water wells (2001) and non-community water supply wells (2002) based upon the deadlines for Source Water Assessment Program.	RCS	Federal – DW SRF		Not CPM	Other	DWM 4

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Program Implementation	DWC - 50.0	Delineate Intake Watersheds for surface water intakes by 2002.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3
	Program Implementation	DWC - 51.0	Assist counties in locating non-community wells.	BCC	Federal – DW		Not CPM	Other	DWM 4
	Program Implementation	DWC - 52.0	Perform contaminant source inventories in delineated areas.	RDE	Federal – DW SRF		Not CPM	Other	DWM 3,4
	Program Implementation	DWC - 53.0	Oversee the completion, validation and application of the USGS susceptibility models.	RDE	Federal – DW SRF		Not CPM	Other	DWM 3, 4
	Education & Outreach	DWC - 54.0	Conduct outreach and training for counties, municipalities, purveyors and the regulated community on Source Water Assessment.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3,4
	Education & Outreach	DWC - 55.0	Meet with the Source Water Advisory Committee to achieve continuous input to the Source Water Assessment Program.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3,4
	Education & Outreach	DWC - 56.0	Conduct outreach for land acquisition under CWSRF for Source Water Protection.	FDL	Federal – CW SRF		Not CPM	Other	DWM 3, 4
	Education & Outreach	DWC - 57.0	Develop generic guidance and management practices for source water management plans.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3, 4
	Education & Outreach	DWC - 58.0	Make Source Water Assessments available to the public.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3, 4
4	Phase 4 = Strategy Evaluation								
	Indicators	DWC - 59.0	Evaluate data collection, data management and data assessment for water indicator development.	BCC	Federal – PPG		Not CPM	Goal Area Environmenta	DWM 1-14
	Indicators	DWC - 60.0	Conduct status and trends analysis to support indicator development.	BCC	Federal – PPG		Not CPM	Goal Area Environmenta	DWM 1-14
	Data Analysis & Reporting	DWC - 61.0	By 7/02, 7/03 and 7/04, submit an annual report to Region 2 as per Section 1414(d)(3)(A) on drinking water violations.	BCC	Federal – PPG		Not CPM	Other	DWM 1, 2
	Data Analysis & Reporting	DWC - 62.0	Number and percent of population served by water systems that have completed source water assessments.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3, 4
	Data Analysis & Reporting	DWC - 63.0	Number and percent of population served by water systems implementing source water protection programs.	BCC	Federal – DW SRF		Not CPM	Other	DWM 3, 4
	Data Analysis & Reporting	DWC - 64.0	By August 6, 2001, submit a report to EPA on enforcement and initial capacity development efforts for PWS with a history of SNCs to improve their technical, managerial, and financial capacity.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1, 2
	Data Analysis & Reporting	DWC - 65.0	By August 2002, prepare a report to the Governor on the efficacy of the capacity development strategy and progress made toward improving the capacity of public water systems.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1, 2
	Data Analysis & Reporting	DWC - 66.0	Number of DWSRF assistance agreements to CWS and NCWS.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1, 2
	Data Analysis & Reporting	DWC - 67.0	Number of DWSRF projects that have initiated operations.	BCC	Federal – DW SRF		Not CPM	Other	DWM 1, 2

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Indicators	DWC - 68.0	Continue evaluation of relationships between water indicators for causes, ambient conditions, and responses.	BCC	Federal - PPG		Not CPM	Goal Area Environmental Progress	DWM 1-14
	Indicators	DWC - 69.0	Use indicators to refine priorities and strategies.	BCC	Federal - PPG		Not CPM	Other	DWM 1-14
	Data Analysis & Reporting	DWC - 70.0	Annual meeting to discuss Safe Drinking Water Act issues.	EPA					DWM 1-14
2	Program Development	DWC - 71.0	Submit primacy applications within 2 years of promulgation for the following rules: 1) Arsenic Rule, 2) Radon Rule, 3) Filter Backwash Rule, 4) Ground Water Rule, 5) Long Term 1 Enhanced Surface Water Treatment Rule, 6) Long Term 2 Enhanced Surface Water Treatment Rule, 7) Stage 2 Disinfectant/Disinfection Byproduct Rule.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2, 5 - 12
3	Program Development	DWC - 72.0	Implement the Unregulated Contaminant Monitoring Rule by communicating requirements to the water systems and reviewing the data collected to determine the level of response needed.	BCC	Federal - PPG		Not CPM	Other	DWM 1,2
2	Rule Development	DWC - 73.0	Propose and adopt rules for State legislation on the requirements of a Consumer Confidence Report.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2
3	Program Development	DWC - 74.0	Implement the requirements of the Centers for Disease Program on fluoride in drinking water.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2
2	Rule Development	DWC - 75.0	Develop MCL for radium 224 based on recommendations of the NJ Drinking Water Quality Institute.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2
2	Rule Development	DWC - 76.0	Develop MCL for arsenic based on the recommendations of the NJ Drinking Water Quality Institute.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2
2	Program Development	DWC - 77.0	Provide administrative and technical support to the NJ Drinking Water Quality Institute and subcommittees.	BCC	Federal - PPG		Not CPM	Other	DWM 1, 2
1	Data Management	DWC - 78.0	Design a drinking water data management system to support the Private Well Testing Act that is part of DEPs integrated data management system.	BCC	State - Other		Not CPM	Other	DWM 14
2	Rule Development	DWC - 79.0	Develop, in conjunction with the NJ Drinking Water Quality Institute, a list of contaminants to be tested (as well as locations) as part of the Private Well Testing Act.	BCC	State - Other		Not CPM	Other	DWM 14
2	Rule Development	DWC - 80.0	Coordinate, propose rules, prepare response to comment and adopt final rules for the Private Well Testing Act by September 14, 2002.	BCC	State - Other		Not CPM	Other	DWM 14
2	Rule Development	DWC - 81.0	Adopt a testing methodology for the analysis of gross alpha particle activity according to the Private Well Testing Act.	BCC	State - Other		Not CPM	Other	DWM 2, 11, 14

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Program Development	DWC -	82.0	Develop educational materials for realtors, citizens, health officers and other affected parties describing the Private Well Testing Act to include lists of parameters to be tested, monitoring techniques, treatment techniques, and other relevant program information.	BCC	State - Other		Not CPM	Other	DWM 14
3	Program Implementation	DWC -	83.0	Implement the Private Well Testing Act by notifying county health departments within 5 days of the receipt of test results that exceed the MCL.	BCC	State - Other		Not CPM	Other	DWM 14
4	Data Analysis & Reporting	DWC -	84.0	Generate a general compilation of test results available to the public (that does not identify address or location information) as required by the Private Well Testing Act.	BCC	State - Other		Not CPM	Other	DWM 14
3	Program Implementation	DWC -	85.0	Demonstrate annually that DEP is effectively implementing and enforcing the lead ban provisions (Sec. 1417 (a)(1)).	BCC	Federal -- PPG		Not CPM	Other	DWM 2, 6

WATER SUPPLY

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Water Availability						
WSO 1.0	Reduce or prevent overuse of water resources used for potable water purposes, industry, agriculture and power generation	WSI - 1.0	Status and trends of permitted water use for: 1) potable water purposes, 2) Industry, 3) Agriculture and 4) Power Generation.	Cause	BCB	Permits	Other Committed
WSO 1.0		WSI - 2.0	Status and trends of precipitation.	Cause	UGS	Gages	Future Reporting
WSO 1.0		WSI - 3.0	Status and trends of interbasin and intrabasin water transfers.	Cause	RDA	Permits	Future Reporting
WSO 1.0		WSI - 4.0	Status and trends of saltwater intrusion (chloride) in assessed ground water and extent monitored.	Condition	RCQ	Measure & Model	Future Reporting
WSO 1.0		WSI - 5.0	Status and trends in water levels in observation and other wells and extent monitored.	Condition	RCQ	Measure & Model	Future Reporting
WSO 1.0		WSI - 6.0	Status and trends of base flow levels in streams including flood flows (stream hydrographs) to the extent monitored	Condition	RCQ	Gages USGS	Future Reporting
WSO 1.0		WSI - 7.0	Status and trends of reservoir levels.	Condition	BCB	BWA	Other Committed
WSO 2.0	Protect and maintain recharge to aquifers	WSI - 8.0	Reduction in ground water use in identified problem areas (see indicator UC1 and UC2).	Response	RCQ	Permits	Other Committed
WSO 2.0		WSI - 9.0	Percent of systems not exceeding water allocation permit requirements.	Response	BCB	Permits	Other Committed
WSO 2.0		WSI - 10.0	Percent of water systems with allocation permits with drought and water conservation management plans.	Response	BCB	Permits	Future Reporting
WSO 2.0		WSI - 11.0	Number and extent of drought warnings and drought emergencies issued.	Response	BCB	BWA	Other Committed
WSO 2.0		WSI - 12.0	Population growth trends and projected water demand.	Cause	FAO		Future Reporting
WSO 3.0	By 2005, the Department and regional interests will cooperatively address all regional (Interstate) water supply deficits projected through 2030 to ensure that such deficits are not realized	WSI - 13.0	Status and trends of wastewater reuse	Condition	FDC	NJEMS	Other Committed

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
1	Phase 1 = Data Collection & Assessment									
	Ambient & Facility Monitoring	WSC -	1.0	Continue stream flow monitoring and USGS/DEP Gauging Stations.	BCA	State – General Fund		Not CPM	USGS Annual Report	WSM 1, 3
1	Research	WSC -	2.0	Continue to conduct flow characteristics and development of ecologically based flow goals and other water supply-related research projects.	BCA	State – General Fund		Not CPM	Individual Project Reports	WSM 1, 3
1	Program Development	WSC -	3.0	Continue to develop wastewater reuse strategy, identifying permit and planning needs and impediments; identify financing opportunities.	FDC	State – General Fund	Federal – CW SRF	Not CPM	Other	WSM 1, 2, 3
2	Phase 2 = Strategic Planning									
	Permitting	WSC -	4.0	Implement wastewater reuse projects through NJPDES permit issuance; coordinate with financing program opportunities.	FDC	State – General Fund	Federal – CW SRF	Not CPM	Goal Area Strategic Quarterly Progress Report	WSM 1, 2, 3
3	Phase 3 = Strategy Implementation									
	Planning	WSC -	3.0	Continue to require the preparation of water conservation plans as conditions for all water allocation permits.	BCB	State – General Fund		Not CPM	Other	WSM 2
3	Planning	WSC -	6.0	Continue to require the metering of all new service connections.	BCB	State – General Fund		Not CPM	Other	WSM 1
3	Planning	WSC -	7.0	Continue to require the preparation of drought management plans as conditions for all water allocation permits.	BCB	State – General Fund		Not CPM	Other	WSM 1-3
3	Planning	WSC -	9.0	Update water supply master plan.	RDA	State – General Fund		Not CPM	Other	WSM 1-3
3	Program Implementation	WSC -	10.0	Continue implementation of the Water Supply Plan Strategies.	BCA	State – General Fund		Not CPM	Other	WSM 1-3
3	Technical Assistance	WSC -	11.0	Continue to provide water supply technical expertise upon request.	RCS	State – General Fund		Not CPM	Other	WSM 1-3

New Jersey State Library

LAND AND NATURAL RESOURCES

LAND & NATURAL RESOURCES

Introduction

Land & Natural Resources in New Jersey

NJDEP's Land and Natural Resources Workgroup included New Jersey's first comprehensive series of goals, milestones, objectives and indicators for this Goal Area in the FY99-00 Performance Partnership Agreement (PPA). Documentation of the thorough process for developing the comprehensive FY99-00 LNR PPA component, including multiple stakeholder events, comment periods, as well as intra- and interdepartmental working group meetings is provided in the FY99-00 PPA, (see page 182). Subsequently, LNR indicators cited in the FY99-00 PPA have been reported in the *NJDEP Environmental Indicators Technical Report 2nd Edition* (2001, in press), as well as *NJ's Environment 2000* (2001 in press). The original LNR PPA included nine key issue areas with individual subgoals: 1. Wetlands; 2. Headwaters and Riparian Corridors; 3. Coastal Resources and Flood-Prone Areas; 4. Soil Erosion and Soil Contamination; 5. Forest Resources; 6. Patterns in Land Development; 7. Biodiversity; 8. Open Space; and 9. Environmentally Damaged Land.

This FY02-04 Performance Partnership Agreement reflects adaptive management measures that have resulted over the course of this PPA and NJDEP's implementation of Results-Based Management. The Land and Natural Resources Goal and Subgoal Areas are now fully integrated into the DEP's Strategic Planning Process under the Healthy Ecosystems and Abundant Open Space Goal Areas. Strategic planning briefings by DEP upper level management have been conducted in these two major goal areas and provided to DEP staff, as well. These briefings draw heavily upon the data developed through the indicators reporting and activities undertaken as a result of the LNR FY99-00 PPA. Key focus areas have been identified through these processes and important activities have ensued which are now reflected in this FY02-04 LNR PPA. Note, in addition to the strategies included in this Agreement, it is NJDEP's intent to develop alternate strategies through similar agreements with other appropriate cooperating Federal agencies (such as US Fish and Wildlife Service, USGS-Biological Resources Division, US Forest Service, National Oceanic and Atmospheric Administration, etc.). These alternate strategies will address relevant goals, subgoals, milestones, objectives, and indicators outlined in this Agreement.

Highlights of changes included in this FY02-04 LNRPPA include significant expansion of Ecosystem Biotic Integrity indicators to include many more species-specific indicators ; a new Sustainable Fish and Wildlife Subgoal (Subgoal #8) and associated milestones and objectives with substantial resource-specific indicators (bringing the total to 10 LNR subgoals); reconciliation of relevant NJ Office of State Planning Indicators with LNR indicators; first-time inclusion of EPA commitments in the LNR area; identification of a link with the NJ Comparative Risk Project for Ecological Endpoints; and amendment of the

wetlands subgoal to reflect EPA's national wetlands goal for a net increase in wetland acreage. Some specific examples of amendments from the FY99-00 to the FY02-04 LNR PPA include: milestone amendment for soil erosion to reflect more realistic measurement of progress; specific identification of both freshwater and coastal measurements for several wetlands and coastal area indicators to enable searching on system type for ease of coordination, particularly with the NEPPS Water Subgoal Leads; specifying significance of instream flows for aquatic biodiversity and water quantity; and specifying significance of tidal and non-tidal ecosystems for migratory fish passage.

Definitions for specific key issue areas, as requested by our stakeholders, are as follows:

Headwaters are the beginnings or sources for water courses. As defined by the NJ Clean Water Council and Statewide Watershed Advisory Subcommittee, Headwaters Subcommittee, "headwaters are all first order streams that are delineated as a blue line on a 1:24,000 7.5 minute United States Geologic Survey quad map; up to and including their point of origin, such as seeps and springs, along with their adjoining riparian corridors." (February 4, 2000)

Riparian Corridors are all water courses, including the channel to mean high water, associated wetlands, if present, and an appropriate upland buffer wide enough to protect water quality and provide adequate habitat for wildlife.

Biodiversity is the variety of living things, including variation at the genetic, species and community levels by landscape. At the landscape level the goal will be to preserve, protect, and restore the species that comprise the state's biological diversity, especially globally-imperiled species. At the regional level, the goal will be to preserve, protect, and restore specific sites with metapopulations or individual locations, such as bald eagle nesting sites. At the local level, the goal will be to preserve, protect, and restore habitats as well as quality of life in all local settings: rural, suburban and urban.

Native Plants are those growing or living naturally in New Jersey without having been brought to or planted in New Jersey by any person (Endangered Plant Species List Rules N.J.A.C.7:5C).

Land and Natural Resources

Goal: Maintain, enhance and restore functioning ecosystems and sustainable communities.

Subgoals:

1. Wetlands: Improve quality and function, and achieve a net increase in wetland acreage. Explore innovative techniques for creation, enhancement and maintenance of New Jersey wetlands.
2. Headwaters and Riparian Corridors: Maintain and restore headwaters, riparian corridors and associated buffers for water quality and wildlife habitat, flood control, public safety, and streambank stability.
3. Coastal Resources and Flood-Prone Areas: Maintain and restore the functional integrity of the coastal system for water quality and wildlife habitat, storm protection, public safety, and shoreline stability.
4. Soil Erosion and Soil Contamination: Minimize soil erosion and contamination caused by human activity on land.
5. Forest Resources: Maintain and restore New Jersey's forest resources.
6. Patterns in Land Development: Accommodate growth while protecting natural resources in New Jersey through implementation of the State Development and Redevelopment Plan.
7. Ecosystem Biotic Integrity: Preserve, protect, and restore biodiversity with all landscape types in New Jersey.
8. Sustainable Fish & Wildlife: Manage fish & wildlife populations to insure sustainable commercial & recreational use.
9. Open Space: Preserve open space for current and future protection natural resources, biological diversity, and recreation.
10. Environmentally Damaged Land: Return environmentally damaged land to productive uses.

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Wetlands						
NRM - 1.0	Achieve a net increase of wetlands by 2005 and implement effective techniques for increased creation of wetlands.	NRI - 1.000	Status and trends of wetlands impacts (freshwater and coastal acreage) authorized by DEP under the land use regulation program by township, county, watershed (including coastal). (Conversion of wetlands for development is also listed as key State Plan Indicator)	Cause	BAA	Land Use Regulation Database	Other Committed
		NRI - 2.000	Status and trends of land cover change (including coastal).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 3.000	Status and trends of wetlands violations (including coastal).	Cause	BBB		Future Reporting
		NRI - 4.000	Status and trends of wetlands acreage (including coastal).	Condition	EFA		Future Reporting
		NRI - 5.000	Status and trends of mitigation acres built (including coastal).	Condition	BAA		Future Reporting
		NRI - 6.000	Status of rare wetland natural communities (Limestone sinkhole ponds, Pine Barren savannas, pitch pine lowlands, limestone fens) (including coastal).	Condition	GAF		Future Reporting
		NRI - 7.000	Status and trends of additional preserved wetlands through the open space preservation program (including coastal).	Response	GAA		Future Reporting
		NRI - 8.000	Status and trends of restoration/creation/enhancement projects, with projects conducted in concert with: A. federal govt.; B. state govt.; C. local govt.; D. private/nonprofit orgs.; E. NJWMC: # of acres required/constructed/successful; F. enforcement activities (including coastal).	Response	BAA		Future Reporting
		NRI - 9.000	Status and trends of municipalities and counties with successful TDR programs.	Response	DOA		Future Reporting
NRO - 2.0	Improve quality and function of coastal/freshwater wetlands and implement effective techniques for increased enhancement of wetlands.	NRI - 10.000	Status and trends of land use/land cover change (including impervious cover) (including coastal).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 11.000	Status and trends of point source pollution loadings (see P1, P2, P4, P5 under Surface Water table).	Cause	FDA		
		NRI - 12.000	Status and trends of non point source pollution discharges (see P6 under Surface Water table).	Cause	FDA		
		NRI - 13.000	Status and trends of impaired wetlands (sedimentation; hydrologic changes; vegetative changes including exotic invasives, etc.).	Condition			Future Reporting
		NRI - 14.000	Status and trends of fragmented wetland systems (% of impervious cover).	Condition	BAA		Future Reporting
		NRI - 15.000	Soil erosion and sediment control (see R1, R2, R3 under Soil Erosion).	Response	DOA		Future Reporting
NRO - 2.1	No net loss of vernal pools in New Jersey.	NRI - 15.100	Status and trends so filled or altered vernal pools in New Jersey.	Cause	EFA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 15.200	Status and trends of critical habitat surrounding pools.	Cause	EFA		Future Reporting
		NRI - 15.300	Status and trends of introduced fish species.	Cause	EFA		Future Reporting
		NRI - 15.500	Status and trends of factors affecting water quality.	Cause	EFA		Future Reporting
		NRI - 15.600	Status and trends of freshwater wetlands protection.	Cause	EFA		Future Reporting
		NRI - 15.700	Status and trends of certified vernal pools.	Condition	EFA	Nongame Database	Other Committed
		NRI - 15.800	Status and trends of certified vernal pool wildlife species.	Condition	EFA		Future Reporting
		NRI - 15.900	Status and trends of vernal pools on protected lands.	Response	EFA		Future Reporting
		NRI - 15.100	Status and trends of vernal pool species on protected lands.	Response	EFA		Future Reporting
		NRI - 15.110	Status and trends of vernal pools protected through Freshwater Wetlands Act.	Response	EFA		Future Reporting
	Subgoal 2 = Headwaters and Riparian Corridors						
NRM - 3.0	Maintain and restore vegetative bank cover and buffers adjacent to headwater and stream corridors by 2005.	NRI - 16.000	Status and trends of land use/land cover change (including impervious cover) (including coastal).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 17.000	Status and trends of ozone injury in NJ forests containing headwaters and riparian corridors.	Cause	GAA		Future Reporting
		NRI - 18.000	Status and trends of hemlock woolly adelgid in NJ forests containing headwaters and riparian corridors.	Cause	GAA		Future Reporting
		NRI - 19.000	Status and trends of point and nonpoint source discharges into headwaters and riparian corridors.	Cause	FDA		Future Reporting
		NRI - 20.000	Status and trends of hazardous waste sites and industrial facilities adjacent to headwaters and riparian corridors.	Cause	HAA		Future Reporting
		NRI - 21.000	Status and trends of miles of waterways that are classified as trout production waters under the surface water quality standards.	Condition	AQA		Future Reporting
		NRI - 22.000	Status and trends of headwaters and stream corridors located in dedicated open space (including coastal).	Condition	GAA		Future Reporting
		NRI - 23.000	Status and trends of the duration and magnitude of flood events.	Condition	NEG		Future Reporting
		NRI - 24.000	Spatial patterns of land cover in relation to streams; riparian buffer inventory (including coastal).	Condition	AQA		Future Reporting
		NRI - 25.000	Status and trends of headwaters and riparian restoration projects statewide and by watershed.	Response	RDA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 26.000	Status and trends of ordinances, planning and zoning for headwater and riparian corridor restoration/preservation/conservation.	Response	OOO		Future Reporting
		NRI - 27.000	Current status of woolly adelgid research.	Response	GAA		Future Reporting
		NRI - 28.000	Number of feet of stream bank stabilization projects.	Response	DOA		Future Reporting
NRM - 3.1	Maintain or increase instream flows for the maintenance of aquatic biodiversity and water quality	28.100	(See NEPPS Surface Water Indicators, Milestone #2 on streamflow alteration above Benthic monitoring sites)				
	Subgoal 3 = Coastal Resources and Floodprone Areas						
NRM - 4.0	Maintain existing natural estuary and marine waterfront acreage and restore the functional integrity of the natural coastal system.	NRI - 29.000	Status and trends of land use/land cover change (including impervious cover & miles of bulk headed shoreline) in the coastal area.	Cause	EFA		Future Reporting
		NRI - 30.000	Status and trends of seasonal/residential population (including coastal).	Cause	OOO		Future Reporting
		NRI - 31.000	Status and trends of form and location of shore protection structures (including coastal).	Cause	DOA		Future Reporting
		NRI - 32.000	Status and trends of frequency, duration, and magnitude of storm events (including coastal).	Cause	NOA		Future Reporting
		NRI - 33.000	Status and trends of recreational vehicles (boats, personal water craft, dune buggies, etc.) (including coastal).	Cause	DMV		Future Reporting
		NRI - 34.000	Status and trends of dredging relative to natural resources and beach nourishment (including coastal).	Cause	BAA		Future Reporting
		NRI - 35.000	Status and trends of navigational dredging and disposal of dredge spoils (including coastal).	Cause	BAA		Future Reporting
		NRI - 36.000	Status and trends in shoreline changes (including coastal).	Condition	RCR		Future Reporting
		NRI - 37.000	Status and trends of flooding related insurance claims (including coastal).	Condition	FEM		Future Reporting
		NRI - 38.000	Status and trends of sea level rise (including coastal).	Condition	NOA		Future Reporting
		NRI - 39.000	Status and trends of dredge spoil disposal (including coastal).	Condition	NEB		Future Reporting
		NRI - 40.000	Status and trends of related NEPPS indicators for marine water quality (see NEPPS Surface Water tables) (including coastal).				
		NRI - 41.000	Status and trends of Green/Blue Acres & Green Trust targeted acquisition/protection.	Response	GAA		Future Reporting
		NRI - 42.000	Status and trends of conservation efforts to deed restrict environmentally sensitive areas on private property by corporate landowners and not for profit conservation groups (including coastal).	Response	GAA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 43.000	Status and trends in compliance and enforcement relative to the preservation of flood plain areas and wetlands. (cf. Wetlands, Table	Response	BAA		Future Reporting
		NRI - 44.000	Status and trends of implementation of oceanfront dunes maintenance and restoration (including coastal).	Response			Future Reporting
		NRI - 45.000	Status and trends of beach nourishment research (including coastal).	Response	RCS		Future Reporting
NRM - 4.1	Maintain, enhance and increase shellfish habitat and harvest activities throughout the coastal estuaries.	NRI - 45.100	Status and trends of coastal development within the coastal estuaries (including coastal).	Cause	EKB		Future Reporting
		NRI - 45.200	Status and trends of shellfish harvest activities.	Cause	EKB		Future Reporting
		NRI - 45.300	Status and trends of water quality in shellfish habitat.	Cause	EKB		Future Reporting
		NRI - 45.400	Status and trends of shellfish populations within New Jersey's coastal estuaries including Raritan/Sandy Hook Bays.	Condition	EKB		Future Reporting
		NRI - 45.500	Status and trends of shellfish harvest within New Jersey's coastal estuaries.	Condition	EKB		Future Reporting
		NRI - 45.600	Status and trends in recruitment rates for shellfish populations.	Condition	EKB		Future Reporting
		NRI - 45.700	Status and trends of shellfish aquaculture activities in New Jersey's coastal estuaries.	Condition	EKB		Future Reporting
		NRI - 45.800	Status and trends in recruitment for commercially important shellfish.	Condition	EKB		Future Reporting
		NRI - 45.900	Status and trends of shellfish harvest within Raritan/Sandy Hook Bays via the relay and depuration programs.	Condition	EKB		Future Reporting
		NRI - 45.100	Status and trends of shellfish inventories within New Jersey's coastal estuaries.	Response	EKB		Future Reporting
		NRI - 45.110	Status and trends of limiting coastal development within all productive shellfish habitat.	Response	EKB		Future Reporting
		NRI - 45.120	Status and trends of improving water quality to open more productive shellfish waters.	Response	EKB		Future Reporting
		NRI - 45.130	Expanding relay and depuration harvest programs in marginally polluted waters.	Response	EKB		Future Reporting
		NRI - 45.140	Status and trends of increasing the number and size of shellfish aquaculture areas.	Response	EKB		Future Reporting
	Subgoal 4 = Soil Erosion and Soil Contamination						
NRM - 5.0	To reduce both short term and long term erosion and sedimentation both on and offsite, by 2005, all municipalities will adopt and implement ordinances to reduce erosion through the reduction of peak runoff rates after development and set goal of 80% reduction of TSS for BMPs.	NRI - 46.000	Status and trends of land use/land cover change (including impervious cover).	Cause	EFA		Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 47.000	Status and trends of acres of erodible soil and sensitive land areas (i.e. steep slopes, stream corridors) disturbed.	Cause	DOA		Future Reporting
		NRI - 48.000	Improperly designed, installed or maintained BMPs and noncompliance with BMPs.	Cause	DOA		Future Reporting
		NRI - 49.000	Status and trends of changing hydrographs of watersheds which reflect increases in peaks, rate, duration and volume of flow.	Cause			Future Reporting
		NRI - 50.000	Status and trends of the turbidity of water with non agricultural drainage.	Condition	UGS		Future Reporting
		NRI - 51.000	Status and trends of the condition of stream banks, channels and buffers, including length of stream bank erosion and stream accretion.	Condition	DOA		Future Reporting
		NRI - 52.000	Length of non-stabilized period during construction.	Condition	DOA		Future Reporting
		NRI - 53.000	Status and trends of land use/land cover change (including impervious cover).	Condition	EFA		Future Reporting
		NRI - 54.000	Status and trends of implementation of soil erosion and sedimentation control standards.	Response	DOA		Future Reporting
		NRI - 55.000	Status and trends of implementation of watershed management plans and techniques to minimize erosion (protect erodible areas, minimize disturbance).	Response	RDA		Future Reporting
		NRI - 56.000	Number of municipalities that adopt ordinances to implement watershed management plans and BMPs.	Response	RDA		Future Reporting
		NRI - 57.000	Status and trends of erosion rates (to ensure they remain within acceptable limits).	Response	DOA		Future Reporting
		NRI - 58.000	Status and trends of regional watershed models and plans (to mimic an acceptable hydrograph).	Response	DOA		Future Reporting
NRM - 8.0	The NJDEP and NJDA/SSCC will work toward achieving the goal of applying conservation management systems on all farms by 2010, where such systems are needed.	NRI - 85.000	Status and trends of acres of agricultural lands needing but not implementing erosion control measures recommended by USDA NRCS.	Cause	AGR		Future Reporting
		NRI - 86.000	Status and trends of acres of agricultural land needing conservation treatment of erosion control.	Cause	AGR		Future Reporting
		NRI - 87.000	Status and trends of wet and dry air deposition of contaminants.	Cause	RCA		Future Reporting
		NRI - 88.000	Number of known contaminated sites.	Cause	HAA		Future Reporting
		NRI - 89.000	Status and trends of pesticide application amounts on lawns, recreational and farms land.	Cause	LDG		Future Reporting
		NRI - 90.000	Status and trends of fertilizer applications on lawns, recreational and farm land.	Cause	AGR		Future Reporting
		NRI - 91.000	Status and trends of application of fertilizer in excess of crop needs.	Cause	AGR		Future Reporting
		NRI - 92.000	Turbidity of water with agricultural drainage.	Condition	UGS		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 93.000	Status and trends of acres of agricultural land eroding in excess of "T".	Condition	AGR		Future Reporting
		NRI - 94.000	Status and trends in soil contamination.	Condition	RCA		Future Reporting
		NRI - 95.000	Status and trends of soil biodiversity.	Condition			Future Reporting
		96.000	Status and trends of detectable pesticide residues.	Condition	LDF		Future Reporting
		NRI - 97.000	Status and trends of historical pesticide remediated land.	Condition	RCA		Future Reporting
		NRI - 98.000	Status and trends of soil contamination concerning fertilization of lawns, recreational and agricultural lands.	Condition	RCA		Future Reporting
		NRI - 98.100	Number of farms with conservation management plans.	Condition	AGR		Future Reporting
		NRI - 99.000	Status and trends of maintaining acceptable stream hydrology through modeling and implementation.	Response	AGR		Future Reporting
		NRI - 100.000	Status and trends of agricultural lands implementing erosion controls BMPs.	Response	AGR		Future Reporting
		NRI - 101.000	Status and trends of acres of agricultural land implementing conservation management plans for lands eroding greater than "T" to reduce erosion.	Response	AGR		Future Reporting
		NRI - 102.000	Air Deposition Monitoring Stations.	Response			Future Reporting
		NRI - 103.000	(see Air responses).	Response			Future Reporting
		NRI - 104.000	(see waste response on soil contamination).	Response			Future Reporting
		NRI - 105.000	Status and trends of acres under Integrated Crop Management.	Response	DOA		Future Reporting
NRO - 9.0	Reduce soil contamination to level below which there are no adverse effects on living resources.	NRI - 106.000	Status and trends of acres of agricultural lands needing but not implementing erosion control measures recommended by USDA NRCS.	Cause	AGR		Future Reporting
		NRI - 107.000	Status and trends of acres of agricultural land needing conservation treatment of erosion control.	Cause	AGR		Future Reporting
		NRI - 108.000	Status and trends of wet and dry air deposition of contaminants.	Cause	RCA		Future Reporting
		NRI - 109.000	Number of known contaminated sites.	Cause	HAA		Future Reporting
		NRI - 110.000	Status and trends of pesticide application amounts on lawns, recreational and farms land.	Cause	LDG		Future Reporting
		NRI - 111.000	Status and trends of fertilizer applications on lawns, recreational and farm land.	Cause	AGR		Future Reporting
		NRI - 112.000	Status and trends of application of fertilizer in excess of crop needs.	Cause	AGR		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 113.000	Turbidity of water with agricultural drainage.	Condition			Future Reporting
		NRI - 114.000	Status and trends of acres of agricultural land eroding in excess of "T".	Condition	AGR		Future Reporting
		NRI - 115.000	Status and trends in soil contamination.	Condition	RCA		Future Reporting
		NRI - 116.000	Status and trends of soil biodiversity.	Condition			Future Reporting
		NRI - 117.000	Status and trends of detectable pesticide residues.	Condition	LDF		Future Reporting
		NRI - 118.000	Status and trends of historical pesticide remediated land.	Condition	RCA		Future Reporting
		NRI - 119.000	Status and trends of soil contamination concerning fertilization of lawns, recreational and agricultural lands.	Condition	RCA		Future Reporting
		NRI - 120.000	Status and trends of maintaining acceptable stream hydrology through modeling and implementation.	Response	AGR		Future Reporting
		NRI - 121.000	Status and trends of agricultural lands implementing erosion controls BMPs.	Response	AGR		Future Reporting
		NRI - 122.000	Status and trends of acres of agricultural land implementing conservation management plans for lands eroding greater than "T" to reduce erosion.	Response	AGR		Future Reporting
		NRI - 123.000	Air Deposition Monitoring Stations.	Response			Future Reporting
		NRI - 124.000	(see Air responses).	Response			Future Reporting
		NRI - 125.000	(see waste response on soil contamination).	Response			Future Reporting
		NRI - 126.000	Status and trends of acres under Integrated Crop Management.	Response	DOA		Future Reporting
	Subgoal 5 = Forest Resources						
NRO - 10.0	Achieve no net loss of forest lands in New Jersey.	NRI - 127.000	Status and trends of land use/land cover change (including impervious surface cover).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 128.000	Status and trends of hemlock forest acreage affected from woolly adelgid infestation.	Cause	GAA		Future Reporting
		NRI - 129.000	Status and trends of acreage affected due to other forest pest in New Jersey.	Cause	GAA		Future Reporting
		NRI - 130.000	Status and trends of forest acreage statewide, possibly by county, landscape or forest type, by watershed, by Planning area (including coastal).	Condition	GAA	Green Acres Database	Other Committed
		NRI - 131.000	Number and acreage of forest restoration projects statewide, possibly by county, by ecoregion, by forest type, by watershed, by Planning area.	Response	GAA		Future Reporting
		NRI - 132.000	Status and trends of forest acreage temporarily retained under farmland assessment.	Response	GAA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 133.000	Status and trends of forest acres preserved.	Response	GAA		Future Reporting
NRO - 11.0	Maintain and restore healthy and diverse forest lands, including critical forest communities.	NRI - 134.000	Trends of forest acreage statewide, possibly by county, landscape or forest type, by watershed, by Planning area.	Cause	GAA	Green Acres Database	Other Committed
		NRI - 135.000	Status and trends of hemlock forest acreage affected from woolly adelgid infestation.	Cause	GAA		Future Reporting
		NRI - 136.000	Status and trends of acreage affected due to other forest pest in New Jersey.	Cause	GAA		Future Reporting
		NRI - 137.000	Number of acres of forest affected by ozone damage.	Cause	GAA		Future Reporting
		NRI - 138.000	Link with NEPPS Air Cause Indicators as appropriate (see NEPPS Air Indicator tables).	Cause			Future Reporting
		NRI - 139.000	Status and trends of tree species population, distribution, growth rate and mortality.	Condition	GAA		Future Reporting
		NRI - 140.000	Status and trends of timber resources (harvest and reserve) statewide, possible by ecoregion, by forest type, by watershed, by Planning areas.	Condition	GAA		Future Reporting
		NRI - 141.000	Status and trends of forest acreage critical for dependent animal and plant species (including coastal).	Condition	EFA		Future Reporting
		NRI - 142.000	Number and acreage of forest restoration projects statewide, possibly by county, by ecoregion, by forest type, by watershed, by Planning area.	Response	GAA		Future Reporting
		NRI - 143.000	Forest acreage under management plans or in forest stewardship programs.	Response	GAA		Future Reporting
NRO - 12.0	Minimize forest fragmentation and work toward interconnected forest lands.	NRI - 144.000	Status and trends of forest acreage statewide, possibly by county, landscape or forest type, by watershed, by Planning area (including coastal).	Cause	GAA	Green Acres Database	Other Committed
		NRI - 145.000	Status and trends of land use/land cover change (including impervious surface cover).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 146.000	Status and trends of forest patch size and ownership patterns statewide, by ecoregion or forest type, by watershed, by Planning area.		UFS		Future Reporting
		NRI - 147.000	Status and trends of forest acreage critical for dependent plant and animal species.	Condition	EFA		Future Reporting
		NRI - 148.000	Number and acreage of forest restoration projects statewide, possibly by ecoregion, by forest type, by watershed, by Planning area.	Response	GAA		Future Reporting
		NRI - 149.000	Status and trends of interconnected forest land preserved.	Response	GAA		Future Reporting
NRO - 13.0	Increase streamside forest buffers.	NRI - 150.000	Status and trends of land use/land cover change adjacent to riparian forest acreage and other riparian corridor pressures (see Headwaters and Riparian Corridor Cause Indicators).	Cause	AQA		Future Reporting
		NRI - 151.000	Status and trends of riparian forest buffer acreage (including coastal).	Condition	AQA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 152.000	Riparian forest acreage under management plans or in forest stewardship programs (including coastal).	Response	GAA		Future Reporting
		NRI - 153.000	Number and acreage of riparian corridor restoration projects (including coastal).	Response	GAA		Future Reporting
		NRI - 154.000	Status and trends of acres preserved for riparian corridor protection (including coastal).	Response	GAA		Future Reporting
		NRI - 155.000	Status and trends of ordinances, planning and zoning for forest buffer restoration/preservation/conservation (including coastal).	Response	OOO		Future Reporting
NRO - 14.0	Maintain and restore healthy community forest resources in urban and urbanizing areas.	NRI - 156.000	Ambient ozone and particulate levels in urban and urbanizing areas (see NEPPS Air indicators).	Cause			Future Reporting
		NRI - 157.000	Number of trees damaged by anthropogenic factors (motor vehicles, construction, vandalism).	Cause	GAA		Future Reporting
		NRI - 158.000	Number of trees damaged from urban management pressures (sidewalks, traffic lights, wires, street signs).	Cause	GAA		Future Reporting
		NRI - 159.000	Number of trees damaged by climatic events (drought, windstorms, flood) in urban and urbanizing areas.	Cause	GAA		Future Reporting
		NRI - 160.000	Status and trends of urban forest resources (population, composition, age, species diversity) for Jersey City.	Condition	GAA		Future Reporting
		NRI - 161.000	Status and trends of vegetative vacancies (missing trees or where trees should be) by geographic region, land classification, and population density.	Condition	GAA		Future Reporting
		NRI - 162.000	Status and trends of percent tree cover (canopy) in urban and urbanizing areas.	Condition	EFA		Future Reporting
		NRI - 163.000	Number of community forestry and shade tree programs (formative, sustained, and on participating).	Response	GAA		Future Reporting
		NRI - 164.000	Number of communities participating in green community challenge grant or other community forestry projects.	Response	GAA		Future Reporting
		NRI - 165.000	Amount of tree planting material distributed in urban and urbanizing areas.	Response	GAA		Future Reporting
	Subgoal 6 = Patterns in Land Development						
NRM - 15.0	Annually increase the number of acres of undeveloped land developed consistent with the SDRP.	NRI - 166.000	Status and trends of population changes and shifts in New Jersey.	Cause	OOO		Future Reporting
		NRI - 167.000	Status and trends of household and family changes in New Jersey.	Cause	DOL		Future Reporting
		NRI - 168.000	Status and trends of employment changes and shifts in New Jersey.	Cause	DOL		Future Reporting
		NRI - 169.000	Increased acreage areas with approved wastewater plans lacking designated centers.	Cause	RDA		Future Reporting
		NRI - 170.000	The number of conventional subdivisions approved and built by Planning Area.	Cause	CMG		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 170.100	Status and Trends of development located in Fringe, Rural and Environmentally-Sensitive Planning Areas.	Cause	OSP		Future Reporting
		NRI - 171.000	The number of local master plans consistent with the State Development and Redevelopment Plan (including coastal). (This is also a State Plan Indicator)	Condition	OSP		Future Reporting
		NRI - 171.100	New development, population and employment located in the Metropolitan and Suburban Planning Areas or within Centers in the Fringe, Rural and Environmentally Sensitive Planning Areas, including conversion of land per person.	Condition	OSP		Future Reporting
		NRI - 172.000	Status and trends of the acreage enrolled in the Farmland Assessment Program.	Condition	CMG		Future Reporting
		NRI - 173.000	Status and trends of the acreage subjected to Real Estate Rollback taxes.	Condition	DCA		Future Reporting
		NRI - 174.000	Status and trends of acreage of land that has changed uses.	Condition	NJO		Future Reporting
		NRI - 175.000	Land Use Inventories.	Condition	CMG		Future Reporting
		NRI - 176.000	Status and trends of DEP programs incorporating and implementing the SDRP.	Condition			Other Committed
		NRI - 177.000	Acres of a) ecologically damaged and b) other sites which have been redeveloped.	Response			Future Reporting
		NRI - 178.000	The status of incorporation of SDRP concepts into Department programs.	Response			Future Reporting
		NRI - 179.000	The number of Wastewater Management Plans consistent with the SDRP.	Response	RDA		Future Reporting
		NRI - 180.000	The number of Municipal Capital Improvement Plans consistent with the SDRP (including coastal).	Response	DCA		Future Reporting
		NRI - 181.000	The number of Municipal Development Ordinances incorporating "Timed and Phased" growth.	Response	OSP		Future Reporting
		NRI - 182.000	The number of projects approved or constructed incorporating mixed uses.	Response	OSP		Future Reporting
NRM - 16.0	Support the SDRP through consistent implementation through DEP rules, regulations and programs.	NRI - 183.000	Status and trends of population changes and shifts in New Jersey.	Cause	OOO		Future Reporting
		NRI - 184.000	Status and trends of household and family changes in New Jersey.	Cause	DOL		Future Reporting
		NRI - 185.000	Status and trends of employment changes and shifts in New Jersey.	Cause	DOL		Future Reporting
		NRI - 186.000	Increased acreage areas with approved wastewater plans lacking designated centers.	Cause	RDA		Future Reporting
		NRI - 187.000	The number of conventional subdivisions approved and built by Planning Area.	Cause	CMG		Future Reporting
		NRI - 188.000	The number of master plans consistent with the State Development and Redevelopment Plan.	Cause	AAP		Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 189.000	Status and trends of the acreage enrolled in the Farmland Assessment Program.	Condition	CMG		Future Reporting
		NRI - 190.000	Status and trends of the acreage subjected to Real Estate Rollback taxes.	Condition	DCA		Future Reporting
		NRI - 191.000	Status and trends of acreage of land that has changed uses.	Condition	NJO		Future Reporting
		NRI - 192.000	Land Use Inventories.	Condition	CMG		Future Reporting
		NRI - 193.000	Status and trends of DEP programs incorporating and implementing the SDRP.	Condition			Future Reporting
		NRI - 193.100	Percent of land in NJ covered by adopted watershed management plans (State Plan Indicator).	Condition	RDA		Future Reporting
		NRI - 194.000	Acres of a) ecologically damaged and b) other sites which have been redeveloped.	Response			Future Reporting
		NRI - 195.000	The status of incorporation of SDRP concepts into Department programs.	Response			Future Reporting
		NRI - 196.000	The number of Wastewater Management Plans consistent with the SDRP.	Response	RDA		Future Reporting
		NRI - 197.000	The number of Municipal Capital Improvement Plans consistent with the SDRP.	Response	DCA		Future Reporting
		NRI - 198.000	The number of Municipal Development Ordinances incorporating "Timed and Phased" growth.	Response	OSP		Future Reporting
		NRI - 199.000	The number of projects approved or constructed incorporating mixed uses.	Response	OSP		Future Reporting
NRO - 17.0	Design compact development and revitalize urban areas by implementing centers.	NRI - 200.000	Status and trends of population changes and shifts in New Jersey.	Cause	OOO		Future Reporting
		NRI - 201.000	Status and trends of household and family changes in New Jersey.	Cause	DOL		Future Reporting
		NRI - 202.000	Status and trends of employment changes and shifts in New Jersey.	Cause	DOL		Future Reporting
		NRI - 203.000	Status and trends of acreage with approved wastewater plans lacking designated centers.	Cause	RDA		Future Reporting
		NRI - 204.000	The number of conventional subdivisions approved and built by Planning Area.	Cause	CMG		Future Reporting
		NRI - 205.000	The number of master plans consistent with the State Development and Redevelopment Plan	Cause	oP		Future Reporting
		NRI - 206.000	Status and trends of the acreage enrolled in the Farmland Assessment Program.	Condition	CMG		Future Reporting
		NRI - 207.000	Status and trends of the acreage subjected to Real Estate Rollback taxes.	Condition	DCA		Future Reporting
		NRI - 208.000	Status and trends of acreage of land that has changed uses.	Condition	NJO		Future Reporting
		NRI - 209.000	Land Use Inventories.	Condition	CMG		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 210.000	Status and trends of DEP programs incorporating and implementing the SDRP.	Condition	AAP		Other Committed
		NRI - 211.000	Acres of a) ecologically damaged and b) other sites which have been redeveloped.	Response			Future Reporting
		NRI - 212.000	The status of incorporation of SDRP concepts into Department programs.	Response			Future Reporting
		NRI - 213.000	The number of Wastewater Management Plans consistent with the SDRP.	Response	RDA		Future Reporting
		NRI - 214.000	The number of Municipal Capital Improvement Plans consistent with the SDRP.	Response	DCA		Future Reporting
		NRI - 215.000	The number of Municipal Development Ordinances incorporating "Timed and Phased" growth.	Response	OSP		Future Reporting
		NRI - 216.000	The number of projects approved or constructed incorporating mixed uses.	Response	OSP		Future Reporting
	Subgoal 7 = Ecosystem Biotic Integrity						
NRO - 20.0	Maintain and enhance healthy and diverse populations of native plants, wildlife and natural communities, including their habitats.	NRI - 241.000	Status and trends of land use/land cover change (including impervious surface cover and contiguous habitat lands) (including coastal).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 242.000	Status and trends of related NEPPS indicators for water quality; pesticides. Air quality, soil contamination and contamination releases. (See NEPPS Water, Pesticides, Air, Site Remediation Tables).	Cause			Future Reporting
		NRI - 243.000	Number of noxious invasive exotic species statewide (including coastal).	Cause			Future Reporting
		NRI - 244.000	Status and trends of wetlands quantity and function (See Table 1) (including coastal).	Cause			Future Reporting
		NRI - 244.100	Status and trends of contaminated stormwater runoff/inputs into groundwater-fed, emergent wetlands.	Cause	EFA		Future Reporting
		NRI - 244.200	Status and trends of development in remaining "healthy" watersheds (e.g. Walkkill, Paulinskill, Pequest).	Cause	EFA		Future Reporting
		NRI - 244.300	Status and trends of exotic/invasive wetland plant invasions (including coastal).	Cause	EFA		Future Reporting
		NRI - 245.000	Status of endangered plant and wildlife species populations statewide (including coastal).	Condition	GAF		Future Reporting
		NRI - 246.000	Percent imperiled plant and wildlife species or natural communities with stable, increasing, or declining populations (including coastal).	Condition	GAF		Future Reporting
		NRI - 247.000	Status of rare wetland natural communities (limestone sinkhole, pitchpine lowlands, limestone fens) (including coastal).	Condition	GAF		Future Reporting
		NRI - 247.100	Status and trends of proposed state-listed wetland lepidoptera.	Condition	EFA		Future Reporting
		NRI - 248.000	Number of rare plant species occurrences within conserved open space.	Response	GAF		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 249.000	Number and acreage of habitat restoration projects statewide, by ecoregion, by watershed, by Planning area (including coastal).	Response	RDA		Future Reporting
		NRI - 249.100	Status and trends of acres of ecologically intact, functional groundwater-fed emergent wetlands permanently protected and managed.	Response	EFA		Future Reporting
NRM - 21.0	By the year 2008, the state's rare, threatened and endangered plant and wildlife species populations will be stable or have improved status.	NRI - 250.000	Status and trends of land use/land cover change (including impervious surface cover and contiguous habitat lands).	Cause	AQA	OIRM-GIS	Other Committed
		NRI - 251.000	Status and trends of related NEPPS indicators for water quality; pesticides. Air quality, soil contamination and contamination releases. (See NEPPS Water, Pesticides, Air, Site Remediation Tables).	Cause			Future Reporting
		NRI - 252.000	Number of noxious invasive exotic species statewide.	Cause			Future Reporting
		NRI - 253.000	Status and trends of wetlands quantity and function (See Table 1).	Cause			Future Reporting
		NRI - 254.000	Status of endangered plant and wildlife species populations statewide (including coastal).	Condition	GAF		Future Reporting
		NRI - 255.000	Percent imperiled plant and wildlife species or natural communities with stable, increasing, or declining populations.	Condition	GAF		Future Reporting
		NRI - 256.000	Status of rare wetland natural communities (limestone sinkhole, pitchpine lowlands, limestone fens).	Condition	GAF		Future Reporting
		NRI - 257.000	Number of rare plant and wildlife species occurrences within conserved open space (including coastal).	Response	GAF		Future Reporting
		NRI - 258.000	Number and acreage of habitat restoration projects statewide, by ecoregion, by watershed, by Planning area.	Response	RDA		Future Reporting
NRO - 22.0	Maintain diversity and optimum distribution and density of New Jersey's aquatic and terrestrial species and their habitats.	NRI - 259.000	Trend in acreage of fragmented forest.	Cause	EFA		Future Reporting
		NRI - 260.000	Status and trends of land use/land cover change (including impervious cover).	Cause	EFA		Future Reporting
		NRI - 261.000	Acreage of grassland and scrub/shrub habitat loss resulting from successional change.	Cause	EFA		Future Reporting
		NRI - 262.000	Loss and degradation of wetlands habitat (see table 1) (including coastal).	Cause			Future Reporting
		NRI - 263.000	Status and trends of horseshoe crab harvest (including coastal).	Cause	EKB	Marine Fisheries Database	Other Committed
		NRI - 264.000	Number of recreational vehicle and density of beachgoers (including coastal).	Cause	GAA		Future Reporting
		NRI - 265.000	Number of cases brought against illegal collectors of rare species.	Cause	EAA		Future Reporting
		NRI - 266.000	Number of noxious invasive species.	Cause	GAF		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 266.100	Status and trends in area of undeveloped barrier beach habitat.	Cause	EFA		Future Reporting
		NRI - 266.200	Status and trends in level of human use of beaches.	Cause	EFA		Future Reporting
		NRI - 266.300	Status and trends in number and acreage of barrier island areas where natural processes remain intact.	Condition	EFA		Future Reporting
		NRI - 266.400	Status and trends in area of hardened coastline.	Cause	EFA		Future Reporting
		NRI - 266.500	Status and trends in populations of potential predators (Foxes, raccoons, skinks) in coastal area.	Cause	EFA		Future Reporting
		NRI - 266.600	Status and trends in vehicle traffic on coastal roads.	Cause	EFA		Future Reporting
		NRI - 266.700	Status and trends in crab pots set in terrapin habitat.	Cause	EFA		Future Reporting
		NRI - 266.800	Status and trends in area of bulkheaded coastal bay coastline.	Cause			Future Reporting
		NRI - 266.900	Status and trends in acreage of maritime dune forest.	Cause	EFA		Future Reporting
		NRI - 266.100	Status and trends in number and acreage of dredge disposal islands providing potential habitat for CWB's.	Condition	EFA		Future Reporting
		NRI - 266.120	Status and trends in populations of potential predators (Foxes, raccoons, skinks) in coastal area.	Cause	EFA		Future Reporting
		NRI - 266.130	Status and trends of stream/riparian habitat quality.	Cause	EFA		Future Reporting
		NRI - 266.140	Status and trends of host fish species for mussels.	Cause	EFA		Future Reporting
		NRI - 266.150	Status and trends of critical habitat for early life stage sturgeon.	Cause	EFA		Future Reporting
		NRI - 267.000	Status and trends of interior nesting bird populations.	Condition	EFA		Future Reporting
		NRI - 268.000	Status and trends of priority landscape species.	Condition	EFA		Future Reporting
		NRI - 269.000	Status and trends of grassland/neotropical migrant bird populations.	Condition	EFA		Future Reporting
		NRI - 270.000	Status and trends of bog turtles and other wetland amphibian and reptile populations.	Condition	EFA		Future Reporting
		NRI - 271.000	Status and trends of horseshoe crab egg density and migratory shorebird populations (including coastal).	Condition	EFA		Future Reporting
		NRI - 272.000	Status and trends of beach nesting bird populations.	Condition	EFA		Future Reporting
		NRI - 273.000	Status and trends of surveyed wildlife species: Index of wildlife (including coastal).	Condition			Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 273.100	Status and trends in number of active nesting colonies/sites for each Beach Nesting Birds species (including coastal).	Condition	EFA		Future Reporting
		NRI - 273.101	Status and trends of long-legged wading birds	Condition	EFA	Nongame Database	Other Committed
		NRI - 273.102	Status and trends of bald eagles	Condition	EFA	Nongame Database	Other Committed
		NRI - 273.200	Status and trends in populations of each Beach Nesting Birds spp.	Condition	EFA		Future Reporting
		NRI - 273.400	Status and trends in reproductive success for each Beach Nesting Birds spp.	Condition	EFA		Future Reporting
		NRI - 273.500	Status and trends in number of road-kill terrapins.	Condition	EFA		Future Reporting
		NRI - 273.600	Status and trends in number of terrapins killed in crab traps.	Condition	EFA		Future Reporting
		NRI - 273.700	Status and trends in statewide and local populations DBTs.	Condition	EFA		Future Reporting
		NRI - 273.800	Status and trends in reproductive success at selected nesting areas.	Condition	EFA		Future Reporting
		NRI - 273.900	Status and trends in number of active nesting colonies/sites for each Colonial Water Bird spp.	Condition	EFA		Future Reporting
		NRI - 273.100	Status and trends in populations of each Colonial Water Bird spp.	Condition	EFA		Future Reporting
		NRI - 273.110	Status and trends in reproduction success for each Colonial Water Bird spp.	Condition	EFA		Future Reporting
		NRI - 273.120	Status and trends of eggs, larvae and young juvenile shortnose sturgeon.	Condition	EFA		Future Reporting
		NRI - 273.130	Status and trends of freshwater mussel populations.	Condition	EFA		Future Reporting
		NRI - 274.000	Acres of critical wildlife habitat conserved.	Response	EFA		Future Reporting
		NRI - 275.000	Acres of critical grassland/neotropical migrant bird habitat conserved.	Response	EFA		Future Reporting
		NRI - 276.000	Acres of critical wetland habitat conserved.	Response	EFA		Future Reporting
		NRI - 277.000	Acres of early successional wetlands conserved.	Response	EFA		Future Reporting
		NRI - 278.000	Status and trends of horseshoe crab harvest limits.	Response	EKB	Marine Fisheries Database	Other Committed
		NRI - 279.000	Area of beach protected for beach nesting bird populations.	Response	EFA		Future Reporting
		NRI - 280.000	Number of successful prosecutions for illegal taking and sale of endangered and nongame species.	Response	EAA		Future Reporting
		NRI - 280.100	Number of coastal municipalities that have developed and implemented beach nesting bird management plans.	Response	EFA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 280.200	Number of nesting Beach Nesting Birds sites with protection programs and predator management programs.	Response	EFA		Future Reporting
		NRI - 280.300	Status and trends of endangered and threatened wildlife conservation projects funded through additional funding.	Response	EAA		Future Reporting
		NRI - 280.400	Status and trends of the number of NJ taxpayers that check-off for wildlife on the state tax form.	Response	EAA		Future Reporting
		NRI - 280.500	Status and trends of the number of NJ motorists that buy "Conserve Wildlife" license plates.	Response	EAA		Future Reporting
		NRI - 280.600	Status and trends of the contributions to the "Conserve Wildlife" Foundation.	Response	EAA		Future Reporting
		NRI - 280.700	Status and trends of number of dredge disposal sites with implemented habitat restoration plans.	Response	EFA		Future Reporting
		NRI - 280.800	Status and trends in number of nesting sites posted against disturbance, including disturbance caused by watercraft. (also see sections addressing contaminants, toxics, and pesticides.	Response	EFA		Future Reporting
		NRI - 280.900	Status and trends of river miles of nursery grounds and critical life stage areas protected for shortnose sturgeon.	Response	EFA		Future Reporting
		NRI - 280.100	Status and trends of number of streams with E/T freshwater mussel species with protective antidegradation stream classifications.	Response	EFA		Future Reporting
		NRI - 280.110	Status and trends of acres of adjacent riparian areas conserved.	Response	EFA		Future Reporting
NRO - 22	To Increase the acreage of Submerged Aquatic Vegetation (SAV) in New Jersey's tidal waters.	NRI - 280.111	Status and trends of coastal development. Status and trends of vessel navigation. Status and trends of SAV diseases, such as wasting disease in eelgrass beds. Status and trends of turbidity due to nutrient loading. Status and trends of fishing gear on SAV. (including coastal)	Cause	DFW		Future Reporting
		NRI - 280.112	Status and trends of SAV acreage in NJ's tidal waters. Status and trends of bay scallop abundance. Status and trends of juvenile blue crab and finfish abundance. Status and trends of suitable SAV habitat (including coastal)	Condition	DFW		Future Reporting
		NRI - 280.113	Status and trends of limiting coastal development within SAV habitat. Status and trends of improving water quality to reduce turbidity. Status and trends of limiting vessel navigation within SAV areas (i.e. propeller scarring and hull scouring). Status and trends of limiting commercial fishing gear on SAV beds. Status and trends of increasing public awareness of the importance of SAV.	Response	DFW		Future Reporting
NRO - 23.0	Reduce current and prevent future adverse impacts from exotic species.	NRI - 281.000	Status and trends of acreage of development.	Cause	AQA		Future Reporting
		NRI - 282.000	Type and amount of noxious invasive plant species sold in NJ.	Cause	GAF		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 283.000	Status of feral cat populations.	Cause			Future Reporting
		NRI - 284.000	Number, type, and extent of noxious invasive exotic plant species statewide.	Condition	GAF		Future Reporting
		NRI - 285.000	Status and trends of ground nesting neotropical migrant species.	Condition	EFA		Future Reporting
		NRI - 286.000	Number of regulations, ordinances, planning initiatives emphasizing native species landscaping.	Response			Future Reporting
NRO - 24.0	Reduce contaminant concentrations in biota to below adverse affects thresholds.	NRI - 287.000	Status and trends of bioaccumulative contaminants in air, water, soil, sediments. (See NEPPS Air, Pesticide, Site Remediation, an Water Indicators).	Cause			Future Reporting
		NRI - 287.100	Status and trends of the persistent pesticide chlordane used on turf for grub control or weed control and treatment of soil about foundations for termite and ant control.	Cause	EFA		Future Reporting
		NRI - 287.200	Status and trends of new indicator of acetylcholinesterase inhibiting pesticide applications to lawns, farm fields and golf courses frequented by wild birds or adjacent waters frequented by fish.	Cause	EFA		Future Reporting
		NRI - 288.000	Selected trends of contaminant concentrations in fish, crustacea, and shellfish tidal and non tidal species. (See NEPPS Water Indicators)	Condition	RDG		Future Reporting
		NRI - 289.000	Status and trends of: A. Contaminants concentrations in raptor sera; B. Adverse reproductive outcomes in raptors and selected shorebirds; and C. contaminant concentrations in prey species.	Condition	EFA		Future Reporting
		NRI - 289.100	Status and trends of grackle and starling chlordane induced mortality at roost sited during July.	Condition	EFA		Future Reporting
		NRI - 289.200	Status and trends of Cooper's hawk chlordane induced mortality primarily during July and August.	Condition	EFA		Future Reporting
		NRI - 289.300	Status and trends of elevated chlordane residues in Japanese beetles.	Condition	EFA		Future Reporting
		NRI - 289.400	Status and trends of elevated chlordane residues in rabies negative bat brains.	Condition	EFA		Future Reporting
		NRI - 289.500	Status and trends of Canada goose deaths from acetylcholinesterase inhibitors (organophosphate and carbamate pesticides).	Condition	EFA		Future Reporting
		NRI - 289.600	Status and trends of fish species dying from acetylcholinesterase inhibitors.	Condition	EFA		Future Reporting
		NRI - 290.000	Status and trends of fish advisories issued by species and extent of assessment (see NEPPS Water indicators).	Response	RCD		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 291.000	Status and trends of shellfish harvest classifications and % of resource available (see NEPPS Water indicators).	Response	RDG	National Shellfish Sanitation Program, 305b report	Other Committed
		NRI - 292.000	Status of Harbor Estuary Program source track down projects for toxic control (see NEPPS Water indicators).	Response			Future Reporting
		NRI - 293.000	Status of Emergency fish and shellfish area closures (see NEPPS Water indicators).	Response			Future Reporting
		NRI - 294.000	Number of participants in Urban Fishing Education Program (including coastal).	Response	RDF		Other Committed
		NRI - 294.100	Status and trends of research to monitor environmental levels of chlordane.	Response	EFA		Future Reporting
		NRI - 294.200	Status and trends of regulations limiting or prohibiting use of certain acetylcholinesterase inhibitors (USEPA, NJDEP).	Response	EFA		Future Reporting
NRO - 24.1	Reduce adverse impacts to wildlife, including fish stocks, from parasites or disease.	NRI - 294.300	Status and trends of the stocking of pathogen or parasite bearing fish.	Cause	EAA		Future Reporting
		NRI - 294.400	Status and trends of exotic wildlife diseases including zoonotic (transmissible to humans), diseases of domestic animals, or diseases hazardous to native wildlife via immigration, importation of infected animals, or release of pathogens (including bioterrorism).	Cause	EAA		Future Reporting
		NRI - 295.500	Status and trends of fishkills where infectious agents are a contributing factor or cause.	Condition	EAA		Future Reporting
		NRI - 295.600	Status and trends of gross abnormalities or lesions in fish stocks.	Condition	EAA		Future Reporting
		NRI - 295.700	Status and trends of changes of fish population structure.	Condition	EAA		Future Reporting
		NRI - 295.800	Status and trends of changes in parasite fauna of fish stocks.	Condition	EAA		Future Reporting
		NRI - 295.900	Status and trends of mortality of native wildlife from pathogens transmissible to humans.	Condition	EAA		Future Reporting
		NRI - 295.100	Status and trends in illness of wildlife from pathogens transmissible to humans.	Condition	EAA		Future Reporting
		NRI - 295.110	Status and trends in the native wildlife serving as asymptomatic vectors or reservoirs of pathogens transmissible to humans.	Condition	EAA		Future Reporting
		NRI - 295.120	Status and trends of voluntary health certification of private hatchery fish (NJDFW).	Response	EAA		Future Reporting
		NRI - 295.130	Status and trends of inspection and health certification of state hatchery fish (USFWS, NJDFW).	Response	EAA		Future Reporting
		NRI - 295.140	Status and trends of regulations against relocation of wild fish (NJDFW).	Response	EAA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.150	Status and trends of surveys of white-tailed deer for pathogens of domestic wildlife and humans (USDA, NJDFW, NJDOA).	Response	EAA		Future Reporting
		NRI - 295.160	Status and trends of field trials of oral vaccine for control of raccoon rabies (CDC, NJDFW, NJDOH).	Response	EAA		Future Reporting
		NRI - 295.170	Status and trends of surveys of wildlife for West Nile Virus (NJDOH, NJDFW, NJDOA, USGS, CDC).	Response	EAA		Future Reporting
NRO - 24.2	Maintain native stream dwelling fish populations for ecological recreational purposes.	NRI - 295.180	Status and trends of land use/land cover including impervious cover.	Cause	EAA		Future Reporting
		NRI - 295.180	Status and trends of riparian vegetation loss.	Cause	EAA		Future Reporting
		NRI - 295.190	Status and trends of stream flow regimes.	Cause	EAA		Future Reporting
		NRI - 295.200	Status and trends of nutrient and pollutant loadings to streams (see water indicators).	Cause	EAA		Future Reporting
		NRI - 295.210	Status and trends of increase in flood control projects.	Cause	EAA		Future Reporting
		NRI - 295.220	Status and trends of occurrences and reproduction of non-native fishes that compete with native fishes.	Cause	EAA		Future Reporting
		NRI - 295.230	Status and trends of fish species diversity.	Condition	EAA		Future Reporting
		NRI - 295.240	Status and trends of macroinvertebrate populations.	Condition	EAA		Future Reporting
		NRI - 295.250	Status and trends of in-stream habitat.	Condition	EAA		Future Reporting
		NRI - 295.260	Status and trends of stream conditions.	Condition	EAA		Future Reporting
		NRI - 295.270	Status and trends of stream restoration projects.	Response	EAA		Future Reporting
	Subgoal 8 = Sustainable Fish & Wildlife						
NRO - 24.3	Maintain diversity and optimum distribution and density of New Jersey's finfish and shellfish species and their habitats.	NRI - 295.290	Status of stream impediments to historic spawning grounds for anadromous species.	Cause	EKB		Future Reporting
		NRI - 295.300	Status and trends of ocean water quality.	Cause	EKB		Future Reporting
		NRI - 295.310	Status and Trends of estuarine water quality.	Cause	EKB		Future Reporting
		NRI - 295.320	Status and trends of waterfront development on fish distribution.	Cause	EKB		Future Reporting
		NRI - 295.330	Status and trend of water front degradation and redevelopment.	Cause	EKB		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.340	Status and trends of submerged aquatic vegetation (SAV) in coastal estuaries.	Cause	EKB		Future Reporting
		NRI - 295.350	Status and trends of horseshoe crab harvest.	Cause	EKB		Future Reporting
		NRI - 295.360	Status and trends of commercial, recreational and bait harvest of river herring.	Cause	EKB		Future Reporting
		NRI - 295.370	Status and trends of bycatch mortality in various commercial fishing gear and species specific gear.	Cause	EKB		Future Reporting
		NRI - 295.380	Status and trends of bycatch mortality in the white perch and American shad commercial fishery.	Cause	EKB		Future Reporting
		NRI - 295.390	Status and trend of hook and release mortality in the recreational fishery including the use of circle hooks and use of live/cut bait.	Cause	EKB		Future Reporting
		NRI - 295.400	Status and trend of the commercial and recreational fisheries for blue crab.	Cause	EKB		Future Reporting
		NRI - 295.410	Status and trend of total mortality or fishing mortality increases on the Delaware River striped bass stock or the mixed stocks of striped bass the Delaware Bay/coastal areas.	Cause	EKB		Future Reporting
		NRI - 295.420	Status and trend of New Jersey's commercial American eel harvest.	Cause	EKB		Future Reporting
		NRI - 295.430	Status and trend of the recreational fishery for striped bass.	Cause	EKB		Future Reporting
		NRI - 295.440	Status and trend of the commercial and recreational fisheries.	Cause	EKB		Future Reporting
		NRI - 295.450	Status and trends of oyster harvest in Delaware Bay.	Condition	EGC		Future Reporting
		NRI - 295.460	Status and trends of New Jersey's recreational fishing industry on both reef habitats and non-reef habitats.	Condition	EKB		Future Reporting
		NRI - 295.470	Status and trends of surf clam resource.	Condition	EKB		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.480	Status and trends of the hard clam resource.	Condition	EKB		Future Reporting
		NRI - 295.490	Status and trends of horseshoe crab spawning and nursery habitat on Delaware Bay shoreline.	Condition	EKB		Future Reporting
		NRI - 295.500	Status and trends of oyster habitat.	Condition	EKB		Future Reporting
		NRI - 295.510	Status and trends of shad and river herring populations in New Jersey waters.	Condition	EKB		Future Reporting
		NRI - 395.520	Status and trend of the blue crab population in New Jersey waters.	Condition	EKB		Future Reporting
		NRI - 295.530	Status and trend of the Delaware River striped bass and other species populations.	Condition	EKB		Future Reporting
		NRI - 295.540	Status and trend of blue crab data collected during the Delaware Bay trawl survey.	Condition	EKB		Future Reporting
		NRI - 295.550	Status and trend of winter flounder populations in New Jersey waters.	Condition	EKB		Future Reporting
		NRI - 295.560	Status and trend of American eel populations.	Condition	EKB		Future Reporting
		NRI - 295.570	Occurrence, distribution and abundance of nearshore ocean fishes.	Condition	EKB		Future Reporting
		NRI - 295.580	Occurrence, distribution and abundance of estuarine fishes.	Condition	EKB		Future Reporting
		NRI - 295.590	Status and trends of age/length/weight distributions of various finfish species.	Condition	EKB		Future Reporting
		NRI - 295.600	Status and trends in various coastal habitats.	Condition	EKB		Future Reporting
		NRI - 295.610	Status and trend of number of artificial reef sites constructed in ocean waters.	Response	EKB		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.620	Status and trend of effectiveness of past and current reef sites.	Response	EKB		Future Reporting
		NRI - 295.630	Status and trend of marine fish and shellfish limits.	Response	EKB	Marine Fisheries Database	Other Committed
		NRI - 295.640	Status and trends of recreational fishermen (numbers, distribution, etc.)	Response	EKB		Future Reporting
		NRI - 295.650	Status and trends of acres of essential fish habitat (ESH) created or restored.	Response	EKB		Future Reporting
		NRI - 295.660	Status and trend of illegal activities including poaching, overharvest, gear compliance issues, etc.	Response	EKB		Future Reporting
		NRI - 295.670	Status and trend of fish/shellfish consumption or harvest closures and advisories.	Response	EKB		Future Reporting
		NRI - 295.680	Status and trend of the number of man-made impediments breached for anadromous fish spawning.	Response	EKB		Future Reporting
		NRI - 295.690	Status and trend of the decrease in bycatch mortality in commercial fisheries.	Response	EKB		Future Reporting
NRM - 24.4	By 2010, achieve a minimum harvest of 500,000 bushels of oysters (a five-fold increase based on 2001 allocation of 108,000 bushels).	NRI - 295.700	Status and trends in the incidence and severity of oyster disease outbreaks.	Cause	EGC		Future Reporting
		NRI - 295.710	Number of bushels of oysters harvested per year.	Condition	EGC		Other Committed
NRO - 24.5	Achieve new options or techniques to allow for ecologically important offshore lumps and ridges to remain intact without compromising shoreline protection.	NRI - 295.720	Status and trends of dredging offshore lumps and ridges for beach replenishment activities.	Cause	EKB		Future Reporting
		NRI - 295.730	Status and trends on rate of recovery for benthic communities on these borrow areas after dredging.	Condition	EKB		Future Reporting
		NRI - 295.740	Status and trends on the temporary or permanent alterations of the sediment composition and species alterations on these borrow areas after dredging.	Condition	EKB		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.750	Status and trends on the temporary alterations in the species composition on these borrow areas after dredging.	Condition	EKB		Future Reporting
		NRI - 295.760	Status and trends of surf clam populations before and after dredging of borrow area.	Condition	EKB	Marine Fisheries Database	Other Committed
		NRI - 295.770	Status and trends of successful juvenile surf clam recruitment on offshore lumps and ridges before and after dredging.	Condition	EKB		Future Reporting
		NRI - 295.780	Status and trends of finding feasible alternative solutions to shore protection other than the utilization of offshore sand borrow areas.	Response	EKB		Future Reporting
		NRI - 295.790	Status and trends of identifying areas that could be used as sand borrow areas without compromising the surf clam industry.	Response	EKB		Future Reporting
NRM - 24.6	Maintain optimum density and distribution of water fowl and their habitat, to serve ecological and recreational needs.	NRI - 295.800	Status and trends of submerged aquatic vegetation and invertebrates.	Cause	EBA		Future Reporting
		NRI - 295.810	Status and trends of land use/land cover.	Cause	EBA		Future Reporting
		NRI - 295.820	Status and trends of the number of wintering waterfowl by species and area (as measured in January).	Condition	EBA		Future Reporting
		NRI - 295.830	Status and trends of the number of migrating waterfowl by species and area (two standardized surveys).	Condition	EBA		Future Reporting
		NRI - 295.840	Status and trends of the number of breeding waterfowl by species and area.	Condition	EBA		Future Reporting
		NRI - 295.850	Status and trends of the number of calling and /or nesting rail species (surveys discontinued in 1992).	Condition	EBA		Future Reporting
		NRI - 295.860	Number of hunters that participate in waterfowl harvest.	Response	EBA		Future Reporting
NRM - 24.7	Maintain optimum density and distribution of ruffed grouse and woodcock and their habitat, to serve ecological and recreational needs.	NRI - 295.870	Status and trends in abundance of early to mid-successional habitats.	Cause	EBA		Future Reporting
		NRI - 295.880	Status and trends of avian predators (nesting): particularly great horned owls and fox.	Cause	EBA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.890	Status and trends in deer numbers in vicinity of large areas of early successional fields.	Cause	EBA		Future Reporting
		NRI - 295.900	Status and trends of acreage of hardwoods being harvested.	Cause	EBA		Future Reporting
		NRI - 295.910	Status and trends of grouse and woodcock abundance and harvest.	Condition	EBA		Future Reporting
		NRI - 295.920	Trend in number of hunters pursuing ruffed grouse and woodcock.	Response	EBA		Future Reporting
		NRI - 295.930	Status and trends of ruffed grouse and woodcock harvest.	Response	EBA		Future Reporting
NRM - 24.8	Maintain optimum density and distribution of wild turkeys and their habitat to serve ecological and recreational needs.	NRI - 295.940	Status and trends of number of habitats suitable for turkey.	Cause	EBA		Future Reporting
		NRI - 295.950	Status and trends of number of large predators in winter range (coyote, owl, eagle).	Cause	EBA		Future Reporting
		NRI - 295.960	Status and trends of wild turkey population in Northern and southern New Jersey.	Condition	EBA		Future Reporting
		NRI - 295.970	Status and trends of number of hunters' harvest of turkeys.	Response	EBA		Future Reporting
NRO - 24.9	Maintain and restore tidal and non-tidal ecosystems for migratory fish passage.	NRI - 295.980	Status and trends of number of dams inhibiting fish passage of anadromous species.	Cause	EAA		Future Reporting
		NRI - 295.990	Status and trends of stream miles of historic spawning runs which currently do not have anadromous fish migration due to the presence of dams.	Condition	EAA		Future Reporting
		NRI - 295.100	Status and trends of adult American shad populations.	Condition	EAA		Future Reporting
		NRI - 295.101	Status and trends of juvenile American shad populations.	Condition	EAA		Future Reporting
		NRI - 295.102	Status and trends of blueback and alewife herring populations.	Condition	EAA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.103	Status and trends of number of dams breached and/or fish passage devices installed.	Response	EAA		Future Reporting
		NRI - 295.104	Status and trends of restorations of extinct river herring and American shad runs due to overall improvements in water quality.	Response	EAA		Future Reporting
NRO - 24.1	Maintain and enhance population of recreational fish species.	NRI - 295.105	Status and trends of New Jersey's resident population US Census).	Cause	EAA		Future Reporting
		NRI - 295.106	Status and trends of nutrient and pollutant loadings to water bodies (see water indicators).	Cause	EAA		Future Reporting
		NRI - 295.107	Status and trends of angler access points.	Condition	EAA		Future Reporting
		NRI - 295.108	Status and trends of stocking access points.	Cause	EAA		Future Reporting
		NRI - 295.109	Status and trends of catch per unit effort for targeted fish species.	Condition	EAA		Future Reporting
		NRI - 295.110	Status and trends of size and health of targeted fish species.	Condition	EAA		Future Reporting
		NRI - 295.111	Status and trends of freshwater fishing license sales.	Response	EAA		Future Reporting
		NRI - 295.112	Status and trends of changes in attitudes of the general public towards outdoor recreation.	Response	EAA		Future Reporting
		NRI - 295.113	Status and trends of recreational use of a Waterbury. (creel survey, boat ramp use)	Response	EAA		Future Reporting
NRO - 24.1	Maintain optimal numbers of coyotes for ecological and recreational purposes.	NRI - 295.115	Status and trends of suitable habitats for coyotes.	Cause	EBA		Future Reporting
		NRI - 295.116	Status and trends of coyotes populations and harvest.	Condition	EBA		Future Reporting
		NRI - 295.117	Status and trends of hunting and trapping harvest.	Response	EBA		Future Reporting
		NRI - 295.118	Status and trends of coyotes sightings.	Response	EBA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.119	Status and trends of number of hunters and trappers pursuing coyotes.	Response	EBA		Future Reporting
NRO - 24.1	Manage deer populations to maintain habitat integrity and recreational use.	NRI - 295.120	Status and trends of acreage closed to hunting.	Cause	EBA		Future Reporting
		NRI - 295.121	Status and trends of Land Use change.	Cause	EBA		Future Reporting
		NRI - 295.123	Status and trends of white tailed deer populations.	Condition	EBA		Future Reporting
		NRI - 295.124	Status and trends in the acreage dominated by invasive exotic plants.	Condition	EBA		Future Reporting
		NRI - 295.125	Status and trends of ground-nesting birds.	Condition	EBA		Future Reporting
		NRI - 295.126	Status and trend in the number of in forest regeneration.	Condition	EBA		Future Reporting
		NRI - 295.127	Status and trends of deer herd health.	Condition	EBA		Future Reporting
		NRI - 295.128	Status and trends of hunter permits sold.	Response	EBA		Future Reporting
		NRI - 295.129	Status and trends of number of deer harvested.	Response	EBA		Future Reporting
		NRI - 295.130	Status and trends of agricultural depredations (number, locations, acreage, cost).	Response	EBA		Future Reporting
		NRI - 295.131	Status and trends of deer / vehicle accidents.	Response	EBA		Future Reporting
NRO - 24.1	Maintain optimal numbers of black bear for ecological and recreational purposes.	NRI - 295.132	Status and trends of land use / land cover and suburbanization.	Cause	EBA		Future Reporting
		NRI - 295.133	Status and trends of hard mast and soft mast abundance.	Cause	EBA		Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 295.134	Status and trends in density of bear populations.	Condition	EBA		Future Reporting
		NRI - 295.135	Status and trends of number of negative bear/human interactions.	Response	EBA		Future Reporting
	Subgoal 9 = Open Space						
NRM - 25.0	Federal, state and local programs will strive to preserve and protect through fee simple acquisition or other means an additional 300,000 acres of open space by the year 2002 and a total of one million acres of open space by 2010. (Also a State Plan Target)	NRI - 295.000	Status and trends of land use/land cover change (including impervious cover).(OSP specifically cites conversion of wetlands for development as an OSP indicator).	Cause			Future Reporting
		NRI - 296.000	Status and trends of population.	Cause			Future Reporting
		NRI - 297.000	Number of soil erosion and sediment control plan approvals issued by the Soil Conservation Service.	Cause			Future Reporting
		NRI - 297.100	Status and trends of new development per person (also State Plan Indicator)	Cause	AAP		Other Committed
		NRI - 298.000	Acres of open space by ownership (including coastal).	Condition		Green Acres Database	Other Committed
		NRI - 299.000	Acres of critical natural areas protected through natural lands management plans (including coastal).	Condition			Future Reporting
		NRI - 300.000	Acres of farmland preserved.	Condition	SAD		Future Reporting
		NRI - 300.100	Acres of Open Space protected by habitat type	Condition	GGB		Future Reporting
		NRI - 301.000	Status and trends in funding of federal and state land acquisition programs.	Response			Future Reporting
		NRI - 302.000	Trends in acres of open space preserved by private and non profit groups.	Response			Future Reporting
		NRI - 303.000	Number of counties and municipalities with open space taxes (including coastal).	Response	GAA	Green Acres Database	Other Committed
		NRI - 304.000	Number of municipalities or counties participating in the Green Acres incentive grant program.	Response	GAA	Green Acres Database	Other Committed
		NRI - 305.000	Number of municipalities which have completed the cross acceptance process under the SDRP and modified their zoning (including coastal).	Response			Future Reporting
		NRI - 306.000	Number of protected forested areas that meet a minimum habitat of 150 acres for interior nesting neotropical migrant birds.	Response			Future Reporting

New Jersey State Library

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		NRI - 307.000	Additional acres of farmland preserved.	Response			Future Reporting
	Subgoal 10 = Environmentally Damaged Land						
NRM - 26.0	Annually increase the number of acres of environmentally damaged lands available for beneficial use, including development or recreation.	NRI - 308.000	Industries historically active in NJ (data for potentially contaminated sites).	Cause	DOL		Future Reporting
		NRI - 309.000	Historical inventory of land uses and conditions.	Cause	CMG		Future Reporting
		NRI - 310.000	Number of current, active contaminated site.	Condition	MMA		Future Reporting
		NRI - 311.000	Number of acres of contaminated soil.	Condition			Future Reporting
		NRI - 312.000	Status and trends of sites removed from the delinquent or abandoned real estate tax lists.	Response	CMG		Future Reporting
		NRI - 313.000	Status and trends of environmentally damaged sites which have been redeveloped.	Response	DCA		Future Reporting
		NRI - 314.000	Status and trends of the number of construction permits issued for former environmentally damaged sites.	Response	DCA		Future Reporting
		NRI - 315.000	Status and trends of previously damaged sites which are returned to beneficial uses.	Response	CMG		Future Reporting
		NRI - 316.000	Status and trends of acres of contaminated soil available for redevelopment for: a) Restricted uses; b) Non-restricted uses.	Response			Future Reporting
		NRI - 317.000	Status and trends of contaminated sites receiving a "No further action" status (clean-up or stabilization).	Response	MMA		Future Reporting

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Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (S) Supporte
	Phase 1 = Data Collection & Assessment								
1	Research	NRC - 1.0	Identify continuing contaminant sources to specific species of concern.	RCA	State – General Fund			Goal Area Environmental Progress Briefing	
	Program Development	NRC - 1.1	EPA commits to support finically and technically specific Integrated Pest management projects whenever possible.	EPO	Federal – EPA Other				
	Research	NRC - 2.0	Create baseline GIS vegetation map for NJ.	GAF	State – General Fund	Federal – Non-EPA		Goal Area Environmental Progress Briefing	
	Indicators	NRC - 3.0	Continue Development of biodiversity indicator using neotropical migratory birds.	EFA	State – Other			Goal Area Environmental Progress Briefing	
	Research	NRC - 3.1	EPA commits to Section 106 funding to assist in establishing fresh water fish survey.	EAA	Federal – PPG			Goal Area Environmental Progress Briefing	
	Research	NRC - 4.0	Pursue update 1995/97 aerial photography to track land use change over time.	AQA	State – General Fund			Goal Area Environmental Progress Briefing	
	Indicators	NRC - 5.0	Continue developing land cover & habitat trend analyses for NJ landscapes & NJ watersheds using remote sensing data and/or exploring merging higher resolution satellite imagery w/ air photo data for future updates.	EFA	State – Other			Goal Area Environmental Progress Briefing	
	Indicators	NRC - 6.0	Investigate development of indicator using land cover/land use data to determine relative health of NJ's headwaters & riparian corridors.	EFA	State – Other			Goal Area Environmental Progress Briefing	
	Program Development	NRC - 7.0	Work toward protocol for riparian headwater & stream corridor buffer assessment to determine priority areas for restoration and preservation at various buffer increments.		State – Other			Goal Area Strategic Quarterly Progress Report	
1	Program Development	NRC - 7.1	Pursue and implement method to develop critical riparian habitat assessment, aquatic counterpart to NJDEP "Landscape Project for Species Protection".	EFA	State – Other			Goal Area Strategic Quarterly Progress Report	
1	Research	NRC - 7.2	Pursue research to develop aquatic ecosystem health metrics (fisheries, aquatic endangered and nongame species such as herptiles, odonates, mussels, periphyton, and benthic data).		State – Other			Goal Area Environmental Progress Briefing	
	Research	NRC - 7.3	Conduct a comprehensive survey of all tidal waters in New Jersey to identify existing Submerged Aquatic Vegetation (SAV) habitat.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report	
	Research	NRC - 7.4	Develop GIS mapping of historical, existing and potential SAV habitat in New Jersey's tidal waters.	DFW			Not CPM	Goal Area Environmental Progress Briefing	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (\$)	Supporte
	Research	NRC - 7.5	Develop conservation measures to protect SAV habitat, such as limiting vessel and personnel watercraft navigation through established SAV beds and strengthen existing coastal development rules to further protect SAV.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report		
	Research	NRC - 7.6	Investigate the effectiveness of various SAV transplanting methods.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report		
	Research	NRC - 7.7	Conduct studies on diseases that are detrimental to SAV.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report		
	Research	NRC - 7.8	Conduct a comprehensive survey for bay scallops, which depends on SAV for survival.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report		
	Research	NRC - 7.9	Conduct surveys and studies to monitor juvenile blue crabs and finfish in coastal estuaries that have historically supported SAV.	DFW			Not CPM	Goal Area Strategic Quarterly Progress Report		
	Phase 2 = Strategic Planning									
2	Program Development	NRC - 8.0	Continue research to address endangered plant species trend analysis and monitoring plan to track future trends.	GAF	State - Other			Individual Project Reports		
2	Program Development	NRC - 9.0	Continue research to catalogue NJ flora and develop catalogue of noxious invasive plant species	GAF	State - Other			Individual Project Reports		
2	Research	NRC - 10.0	Continue research to address contaminant concentrations in raptors.	GAA	State - Other			Individual Project Reports		
2	Research	NRC - 11.0	Continue research to ascertain forest resource impacts on urban air pollution.	GAA	State - Other			Individual Project Reports		
2	Program Development	NRC - 12.0	Continue to develop Natural Heritage classification of critical wetlands communities (e.g., floodplain forest) & assess status.	GAF	State - Other	Federal - Non-EPA		Individual Project Reports		
2	Research	NRC - 13.0	Continue research to assess wetlands mitigation site inventories: acreage and function.	RCE	State - Other			Individual Project Reports		

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress of Completion	M/O # (S) Supporte
2	Planning	NRC - 13.1	Coordinate with Watershed Management Activities including the Water Assessment Team and NEPPS Water Supply and Surface Water groups to address development of appropriate indicators, including indicators relative to instream flow for aquatic life.		State - Other			Environmental Indicators Technical Report	
2	Indicators	NRC - 13.2	Update and improve milestones, indicators, and activity commitments based on the results of the Healthy Ecosystem and Abundant Open Space Focus Area Development (e.g., wetlands, flow, stormwater, sustainable fisheries, riparian corridor assessment, restoration priority settings, etc.).		State - Other			Goal Area Environmental Progress Briefing	
2	Planning	NRC - 13.3	Incorporate results from NJ Comparative Risk Project into LNR NEPPS as appropriate upon briefing from NJCRP to HE-AOS Summit and NEPPS Steering Committee.		State - Other			Goal Area Environmental Progress Briefing	
2	Planning	NRC - 13.4	EPA Region 2 will jointly work with the NJDEP LNR program to identify funding sources for the data collection and data management of land and natural resources issues.	EPP	Federal - EPA Other				
2	Planning	NRC - 13.5	EPA Region 2 is developing a geospatial tool to highlight the potential for forecasting environmental impacts of development activities. Region 2 will involve NJDEP to review the product, contribute data and use the tool to aid in planning and regulatory activities.	EPP	Federal - EPA Other				
2	Planning	NRC - 13.6	EPA commits to participating in a memorandum of agreement on a pilot strategy on sprawl through the Mid-Atlantic Federal Partners for the Environment (MAFPE).	EPP	Federal - EPA Other				
2	Research	NRC - 13.7	Explore expansion of direct harvest fishery	EGC	State - Other			Goal Area Strategic Quarterly Progress Report	
	Research	NRC - 13.8	Explore the feasibility and efficacy of artificial reefs for oyster revitalization, as well as juvenile finfish habitat.	EGC	State - Other			Goal Area Strategic Quarterly Progress Report	
	Research	NRC - 13.9	Explore the feasibility and efficacy of Aquaculture Development Zones for oyster revitalization.	EGC	State - Other			Goal Area Strategic Quarterly Progress Report	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supporte
	Research	NRC - 13.1	Explore the feasibility of restoring historic oyster habitat in Delaware Bay tributaries through the planting of shells and oyster seed.	EGC	State - Other			Goal Area Strategic Quarterly Progress Report	
	Phase 3 = Strategy Implementation								
3	Program Development	NRC - 14.0	Continue Green Acres Program through implementation of <i>State Comprehensive Outdoor Recreation Plan</i> .	GAA	State - Bond Fund	Federal - Non-EPA		Other	
3	Permitting	NRC - 15.0	Continue Land Use Regulation and Permitting Program.	BAA	State - Other			Other	
3	Permitting	NRC - 16.0	Develop regulations consistent with NJ State Development and Redevelopment Plan.	RDA	State - Other			Other	
3	Enforcement	NRC - 17.0	Continue Land Use Enforcement Program.	BAA	State - Other			Other	
3	Program Development	NRC - 18.0	Continue Natural Resource Damage Assessment and pursue restoration projects.		State - Other			Other	
3	Research	NRC - 19.0	Continue NEPPS Land and Natural Resources Workgroup.		State - Other			NEPPS Annual Performance Report	
	Research	NRC - 19.1	Re-establish SAV in areas that have historically supported SAV, but in which SAV is presently absent.	DFW			Not CPM	Other	
	Phase 4 = Strategy Evaluation								
4	Indicators	NRC - 20.0	Assess data and Report on Land and Natural Resources Indicators.		State - Other			Environmental Indicators Technical Report	
4	Indicators	NRC - 21.0	Evaluate Land and Natural Resource Indicator Data and report this to appropriate programs.		State - Other			Goal Area Environmental Progress Briefing	

SAFE AND HEALTHY COMMUNITIES

SAFE AND HEALTHY COMMUNITIES

The Safe & Healthy Communities Strategic Plan Goal Area contains a wide variety of environmental programs. The programs within this goal area include: Site Remediation, Solid and Hazardous Waste, Pesticide Control, Pollution and Release Prevention, Radiation Protection, and Mercury. Program specific goals range from reducing the amount of radiation exposure to patients, to ensuring the safe management of landfills. While the programs are diverse, they all work toward a common goal: safe and healthy New Jersey communities.

Program managers within the goal area met throughout the year preceding development of this Performance Partnership Agreement (PPA) to identify crosscutting issues and address problems common to the different programs. The managers developed a logical structure for the goal area centered around the concepts of prevention and management of risks, representing Department's two-pronged approach to attaining safe and healthy communities. The former program-specific PPA goals have been realigned and revised into a single PPA goal, as follows:

New Jersey communities will be free from unacceptable human health and ecological risks through the PREVENTION of pollution and releases of harmful substances/agents to environmental media and through the safe MANAGEMENT of harmful substances/agents and harmful incidents/occurrences, including those involving floods, fires and storms.

Specific Introductions as well as descriptions of key issues related to each of the program areas comprising the Safe & Healthy Communities goal area are as follows:

Site Remediation in New Jersey

New Jersey has a history of being the most densely populated State in the US and of relying on an industrial economic base to support this population. This has resulted in a close proximity between residential and industrial land uses and a concern by New Jersey's citizens that contaminated sites are remediated. NJDEP has responded to these concerns with programs that have been used as models for other states and the federal government. Many contaminated sites in New Jersey were created by the disposal of industrial wastes in a manner that was consistent with the laws existing at the time and predating the current protective requirements of the state's hazardous waste regulations.

The term "remediation" includes all activities necessary to identify the type and source of contamination, the nature and extent of contamination, and determination and implementation of an appropriate remedial action. Remedial action can involve the removal of the source of contamination and the treatment or removal of contaminated media to levels that are appropriate for future use of the site. In addition, remediation of a

site may involve controlling exposure to contamination through the use of an engineering control, such as a cap over the contaminated area, or a deed notice which describes site conditions so that appropriate future uses may be chosen, or both.

The primary function of the Site Remediation Program (SRP) is to oversee or conduct the remediation of known contaminated sites. This is carried out by individual case managers or case management teams including case managers, technical coordinators and geologists, or emergency response personnel. The SRP also has numerous groups to assist in carrying out primary activities, such as information systems support, program reporting, rule development, community relations, site safety and health, contract administration and cost recovery.

The SRP addresses a wide variety of contaminated sites that range from leaking underground home heating oil tanks to large Superfund sites. The program's universe of sites is compiled as a computerized list that is updated and published annually, in a report entitled Known Contaminated Sites in New Jersey. The latest publication (April, 2001) of the report contained 12,648 sites where the program is overseeing remediation being conducted by responsible parties, sites where remediation is being conducted with state or federal money, sites where remedial action is pending, or sites where the sources of contamination are unidentified at this time (unknown source sites). In addition, the report lists 775 sites with completed remedial work that require engineering and/or institutional controls and periodic reporting to ensure the continued effectiveness of remedial actions.

Sites become contaminated from the intentional or unintentional discharge of hazardous substances into the environment. The main issue in site remediation is that one or more media at contaminated sites contains levels of contamination that are unacceptable for human and ecological well being. These levels are defined by the Soil Cleanup Criteria, Groundwater Quality Standards, and Surface Water Quality Standards.

Site Remediation has joined with several other program areas under the Strategic Plan Goal of Safe and Healthy Communities. The group strives to keep NJ communities free from human health and ecological risks through prevention of pollution and releases of harmful substances and through safe management of those substances. Site remediation sub-goals are related to eliminating or reducing acute and chronic risk to human health and environmental receptors from contaminated sites, resulting from exposure to contaminated soil, ground and surface water, air or from emergency situations which can involve fire and explosion. Since not all the known or potential sites in NJ can be addressed at once, it is important to note that site remediation proceeds on a "worst case first" basis. Cases are assigned not only in consideration of the applicable regulatory program, but also by the complexity and relative risk posed by each site, as determined by preliminary data. Work outputs from the NJ Comparative Risk Project may also be considered for implications on site remediation goals, objectives, milestones, indicators, activities, and potentially for future incorporation into the PPA.

The site remediation subgoals and indicators focus on the quality of environmental resources (soil, water and air) impacted by the discharge of hazardous materials at contaminated sites and the amount of improvement (risk reduction) resulting from site cleanup. The following tables summarize the indicators that will be used to measure progress toward meeting site remediation goals (Milestones/Objectives and Indicators Table) and the activities that will be carried out during the course of this PPA to move toward meeting the goals (Activities and Commitments Table). The indicators developed over the course of the previous PPA have been published in reports and made available to the public. Developing the indicators and investigating ways to provide information to internal and external stakeholders that have an interest or need for the information is an inherent part of the process. These functions are included in the Activity and Commitment Table under activities related to, for example, data management and outreach.

Solid and Hazardous Waste Management in New Jersey

New Jersey has regulated the handling of solid and hazardous waste since 1970 pursuant to the Solid Waste Management Act. Solid waste management regulations direct environmental controls for waste management practices, planning and financing of facilities and systems for waste reduction, recycling, resource recovery, destruction and disposal, and economic regulation and integrity review of the entities involved. Hazardous waste management regulations parallel the Federal hazardous waste regulations promulgated pursuant to the Resource Conservation and Recovery Act of 1976 and the Hazardous and Solid Waste Amendments of 1984, and provide for the identification of wastes classified as hazardous, the registration of hazardous waste generators, transporters and treatment, storage and disposal facilities, the establishment of a cradle-to-grave manifest tracking system for all hazardous waste shipments, as well as environmental controls on hazardous waste management facilities.

Solid and hazardous waste management regulation in New Jersey is a comprehensive regulation of the registration, operation, maintenance and closure of solid and hazardous waste facilities; the registration, operation and maintenance of solid and hazardous waste transportation vehicles; the registration of certain solid and hazardous waste generators; the criteria for siting new major hazardous waste facilities; the disclosure and integrity review of solid and hazardous waste facilities and transporters; and the implementation of various statutory loan programs to finance construction and operation of environmentally sound resource recovery facilities and sanitary landfills, and the creation and expansion of legitimate commercial recycling businesses.

Key Solid and Hazardous Waste Issues

The waste management goal has been subdivided into four subgoals: to achieve and maintain the safe management of wastes in an environmentally sound manner; to minimize

the generation of solid and hazardous wastes; to minimize the land disposal of waste; and to achieve the proper closure of terminated facilities. The first subgoal embraces the needs to assure that current waste management practices are both adequately protective of human health and the environment, and do not become contaminated sites in need of future remediation actions, while the fourth subgoal embraces the need to properly close those sites which have been recently terminated, to assure that adequate preventive measures are taken to prevent them from becoming contaminated sites in need of future remediation actions. The second and third subgoals embrace the multiple facets of waste minimization programs: to minimize the generation of hazardous waste (in terms of both quantity and toxicity reduction), to minimize the generation of nonhazardous waste (through waste reduction actions), and to minimize the land disposal of those wastes whose generation cannot be avoided (by maximizing the recycling and beneficial use of the materials, as well as the use of waste treatment methods which can reduce either the quantity or hazards of the wastes, or recover resources from the wastes).

There has been no specific subgoal established, at this time, for capacity assurance as there are many factors which affect the issue which are beyond the control of NJDEP. State law mandates the development of a plan to determine the number and type of new major facilities needed to treat, store or dispose of hazardous wastes generated in the State. These plans have been developed and are periodically updated by NJDEP and the NJ Hazardous Waste Facilities Siting Commission. Recent Federal capacity assurance assessments have shown adequate national capacity for hazardous waste management needs, which could offset the State's own capacity shortfalls for certain types of treatment or disposal. Similarly, historical State policy has been to strive for self-sufficiency in solid waste management capacity, but recent court rulings have held that waste management is interstate commerce, and the authority of the State or local governments to direct the flow of solid waste has been ruled unconstitutional. Consequently, the State has redefined its capacity assurance goals to maintaining stable and secure long-term solid waste capacity, and maintaining statewide goals for recycling and household hazardous waste programs.

Pesticide Control in New Jersey

The use of pesticides (a generic term which encompasses insecticides, herbicides, fungicides, etc.) is a particularly complex issue in New Jersey. While pesticides are recognized as a legal means of controlling pests, their use also represents the introduction of hazardous and potentially harmful substances into the environment. This is significantly different from other environmental situations where the substances may be viewed solely as a pollutant. New Jersey, being the most densely populated state in the nation, has many different patterns of pesticide use in close proximity to each other. Agricultural fields, formerly surrounded by other agricultural fields, are now surrounded by housing developments. Golf courses are built on former agricultural lands or are adjacent to

wetlands. Homeowners attempt to maintain their lawns while their neighbors object to unwanted exposure to pesticides. Indoor and structural pest control is also a major factor in New Jersey.

The primary goal for pesticide control is to **prevent and manage potential risk to public health and the environment associated with the use of pesticides**. Meeting this goal requires a wide range of activities. These include outreach/training that provides training and education on the regulations as well as promoting a philosophy that “pesticides should be used only when needed.” Enforcement inspections and complaint investigations, development and administration of certification exams for pesticide applicators and dealers, registration of pesticide products, dealers, applicators, operators, businesses and beekeepers, and conducting pesticide use surveys, risk assessments, product registration reviews, and environmental monitoring programs all fall within the routine activities of pesticide control.

Key Pesticide Control Issues

Two subgoals have been identified regarding the use of pesticides in New Jersey: 1) Prevent potential exposure and risk to public health and the environment associated with the use of pesticides and 2) Manage potential risk to public health and the environment associated with the use of pesticides. Each of these subgoals encompasses efforts related both to the elimination of pesticide misuse as well as a reduction in adverse effects resulting from the proper use of pesticides.

In many situations, the use of pesticides results in the potential to cause adverse impacts on human health and the environment. Prevention of the potential risk is accomplished through a variety of efforts. The education of applicators, tracking pesticide use and incident patterns, and the deterrent effect of enforcement actions and penalties should minimize the risk to New Jersey’s residents and environment. A proactive information and outreach program, directed at registered pesticide applicators as well as the general public, serves to protect and educate the citizens of New Jersey. Ongoing enforcement investigations, coupled with the ability to examine previous investigations and outcomes, provide an effective means to identify those areas of highest pesticide misuse. These areas can be effectively targeted for additional compliance, education and training activities.

A cornerstone of proactive prevention is the adoption and active application of IPM (Integrated Pest Management) wherever pesticides are employed. IPM offers excellent potential for reducing pesticide use, thereby preventing potential risk. A risk and use reduction initiative related to pesticide use in schools will explore the potential for significant use reduction, adoption of Integrated Pest Management (IPM) methods, and potential exposure reduction resulting in an overall reduced risk in this setting.

In addition, the Pesticide Control Program is committed to identifying those areas of

potential harm and developing the means to effectively manage the risks. Assessments conducted by the Pesticide Evaluation and Monitoring unit on the distribution of pesticides throughout New Jersey provide information leading to further safeguards. Among the areas of specific focus are the New Jersey Food Monitoring and Evaluation Program and the Agricultural Worker Protection program. Attention to these areas ensures the constant re-evaluation of information and provides for a progressive and proactive regulation of pesticides in New Jersey.

The protection of the environment of New Jersey from the adverse impact of pesticides requires both constant evaluation of the potential impacts of pesticides in a variety of settings as well as the monitoring for the presence of both the pesticide residue itself and the impacts resulting from the pesticide residues. The Integrated Pest Management program and the Pesticide Use Permit process serve to limit the use of pesticides, thereby reducing the associated risk. Monitoring efforts related to the Ground Water Protection program and the Ecological Impacts program provide valuable information regarding the presence and distribution of pesticides and their impacts.

Associated with the above subgoals is pesticide information management. Without the various activities such as the Pesticide Use Survey and ongoing environmental monitoring projects, pesticide control could not make intelligent and informed decisions regarding the use or distribution of pesticides in New Jersey. The rapidly expanding use of the Geographic Information System is an essential aspect of tracking pesticide use patterns. Analytical capacity and development is needed to maintain the ability to detect pesticide residues in the environment, whether as part of an enforcement investigation or a monitoring effort. Extensive databases are necessary to track enforcement investigations and actions, licensing status of applicators, and pesticide product registrations.

Pollution and Release Prevention

Pollution prevention is a key approach to environmental protection. The goal of pollution prevention is to minimize the use of toxic substances, and generation of waste or nonproduct output (NPO). NPO is a multi-media term used to describe all toxic wastes that are generated at manufacturing facilities, regardless of whether those wastes eventually end up as emissions to air, water or solid waste. The Pollution Prevention Act of 1991 set a specific statewide goal of reducing the generation of NPO by 50 percent from 1987 to 1998, which was achieved in 1994. In response, NJDEP set a new 50 percent NPO reduction goal for 1993 (the first year pollution prevention plans were completed) to 2005. Pollution prevention planning is a continuous improvement process whereby manufacturers are required to develop new pollution prevention plans and set goals every five years.

It is important to remember that pollution prevention strategies need to be developed to

meet all our environmental goals and should not be limited to reductions in toxic substances. In fact, one of the goals of New Jersey's landmark Pollution Prevention Act was to transform the existing system of environmental regulation to one which is based on prevention. The shift to results-based management embodied in the PPA goes hand in hand with a shift from treatment to prevention. NJDEP needs to conduct analyses that include materials use and consumption. For example, a strategy to meet clean water goals might utilize a materials balance approach to determine pollutant loading for watersheds. This type of analysis should include the identification of pollutant sources that are not traditionally "regulated" such as those in the agricultural sector and in the daily activities of the general public. NJDEP may also need to determine whether materials contained in consumer products play a role in creating pollution, such as heavy metals in batteries. Again, pollution prevention strategies that are multi-media in nature should receive increased emphasis. Finally, energy conservation is a pollution prevention strategy that could result in significant reductions toward clean air goals for nitrogen oxides, particulates, and carbon dioxide, while providing increased economic benefits for the State.

Another innovative approach being employed by NJDEP to improve the regulatory process is One Stop, whereby a single point of contact leads a multi-media, multi-functional team in assisting new and existing facilities with their environmental responsibilities. One Stop has several goals, such as fostering a more holistic and multi-media approach to permitting; identifying a single point of contact for a facility's permitting and enforcement activities; developing, for NJDEP and the regulated community, better understanding of regulatory obligations to increase compliance; and increasing opportunities for pollution prevention, and the identification of cross-media impacts.

Release prevention is a key strategy for preventing pollution and promoting safe and healthy communities by minimizing the risk of accidental releases and discharges of hazardous substances to the environment. By monitoring the storage and handling of regulated hazardous substances the threat of pollution and public exposure to these hazardous substances is greatly reduced. The Spill Compensation and Control Act and the Toxic Catastrophe Prevention Act provide standards for the safe management of regulated hazardous substances. Implementation of these programs ensures a high level of environmental quality, safety, and public health. The chemical inventory and environmental release data collected under the Worker and Community Right to Know Act enables various DEP programs to identify potentially regulated facilities and monitor trends in chemical usage. This information is also provided to emergency responders to assist in protecting the public and the environment from the impacts of an accidental release or discharge.

The Discharge Prevention Containment and Countermeasures (DPCC) program works with regulated facilities to develop and implement facility specific plans to prevent, or minimize the impact, of discharges of hazardous substances into the waters and onto the lands of the state. The Toxic Catastrophe Prevention Act (TCPA) program protects the public from

catastrophic releases of extraordinarily hazardous substances by requiring the development and implementation of risk management programs that anticipate the circumstances that could result in accidental releases and take necessary precautionary and preemptive actions to prevent them.

Radiation Protection

Bureau of Radiological Health

The Bureau of Radiological Health (BRH) registers and inspects x-ray and radiation therapy equipment, inspects mammography equipment for compliance with State and Federal regulations, and issues licenses and establishes educational and licensing standards for the operators of x-ray and radiation therapy equipment and for those who perform nuclear medicine procedures. The BRH strives to provide safe and healthy communities by protecting the public and radiation workers from unnecessary exposure to radiation and reducing the occurrence of misdiagnosis caused by faulty equipment and operator error. The BRH will fulfill its mission and achieve its milestones through the involvement of citizens and stakeholders as critical partners and through a commitment to quality assurance principles, results based management, and regulations as a means to continually improve its operations.

Bureau of Environmental Radiation

The Bureau of Environmental Radiation (BER) is responsible for overseeing several aspects of radiation protection, such as proper management, storage, and disposal of low level radioactive waste; licensing radioactive materials users in research, medical, and industrial areas; supporting the remediation of sites contaminated by radiation; and worker and public exposure to non-ionizing radiation, such as radio and TV broadcasting, microwaves and radar. The bureau also has the responsibility for the radon program including the certification of radon testers and mitigators, educating the public about the risks associated with indoor radon, encouraging testing and mitigation, and performing post-mitigation testing. The BER strives to protect the public and the environment from unnecessary exposure to both man-made and naturally-occurring sources of ionizing radiation and man-made sources of non-ionizing radiation.

Bureau of Nuclear Engineering

The Bureau of Nuclear Engineering (BNE) addresses Safe and Healthy Communities under the strategy of "Prevent Occurrences of Accidental Releases of Pollution and Minimize Adverse impacts When they Do Occur" through nuclear power plant surveillance and nuclear emergency response. The four nuclear power plants operating in New Jersey have the potential to release significant amounts of radioactivity and contaminate wide areas. The probabilities of nuclear power plant accidents have been studied extensively and are in the range of 10^{-6} to 10^{-9} per reactor year.

The BNE performs plant safety inspections and safety reviews that provide an oversight that influences the safe operation at New Jersey's nuclear power plants. The Bureau is also responsible for protecting the public in the event of nuclear emergencies and for the preparation and implementation of a State Radiation Emergency Response Plan. This is done through maintaining, developing and changing the plan when applicable, maintaining response readiness through nuclear emergency facility upgrades, and training of state and county nuclear emergency response teams. In addition, the BNE operates and maintains an Environmental Surveillance and Monitoring Program (ESMP) and Continuous Radiological Environmental Surveillance Telemetry System (CREST) that independently monitors and assesses radiation in the environment outside the site boundaries of the four nuclear generating stations. Data obtained from the ESMP and from CREST is used to determine the affect of the operation of the nuclear power plants, if any, on the environment and the public. Through all these efforts the BNE is able to analyze and mitigate potential hazards that may impact on the public's health and safety.

Environmental Mercury in New Jersey

Mercury is one of a relatively small number of environmental contaminants for which there is a particular need for consideration from a multi-media perspective. These are contaminants that are ubiquitous in the environment and whose fate and transport transcends single media management. Mercury is of particular interest among this group because of the way that it is converted into a much more toxic form as it moves up through the food web and because potentially unhealthful levels of mercury have been found in fish throughout the state. In addition, this pollutant was singled out in the Clean Air Act Amendments of 1990 for special study by USEPA.

By virtue of its various inter-convertible forms, mercury cycles easily between several environmental compartments – air, soil, water, and biota. Although inhalation or bodily contact with inorganic forms of mercury can result in serious health effects, these exposures tend to occur in unique circumstances (e.g. in cases of accidental spills or in an occupational setting). In general, the most significant environmental compartment for mercury from the standpoint of human and ecological exposure is aquatic biota, which may be consumed by aquatic mammals, birds and humans. Mercury reaches water bodies from a number of routes: the air-water interface; washout of mercury-containing particulates with precipitation; runoff of soil which has received mercury from atmospheric; and direct point source release to water bodies. Thus, mercury cannot accurately be classified as a contaminant of one particular medium; its appearance in any one medium affects its concentration and behavior in other media.

To warrant consideration as an environmental contaminant of significant concern, however, it is not merely sufficient for a chemical to be ubiquitous in the environment; the chemical must also result in levels of exposure which present the potential for adverse human health

or environmental effects. Recent estimates of human exposure have suggested that a significant fraction of women of childbearing age are exposed to methylmercury from commercial fish consumption at levels which exceed the current EPA Reference Dose based on prevention of adverse fetal developmental effects. This exposure is not only of concern in its own right, but suggests that there may be little margin for increases in methylmercury exposure from other sources such as sport and subsistence fishing. For these reasons, mercury presents a unique and significant cross-cutting issue.

As a result of research and outreach programs in the State, NJDEP, in coordination with the New Jersey Department of Health and Senior Services, has issued fish advisories for two species of fish known to accumulate mercury. They are bass and pickerel. There is a general statewide advisory for limiting consumption for these two species and other, more specific advisories for certain geographical areas. New Jersey has also discovered elevated levels of mercury in ground water, primarily in private wells, in the southern part of the state. In cooperation with local county health departments, the state has been able to determine that mercury is present in some otherwise potable well water at levels that can exceed the drinking water standards and at levels above those considered to be natural.

New Jersey has, therefore, developed the following overall goal for environmental mercury:
To protect human health and the environment from the adverse effects of mercury.

In 1998, NJDEP established an advisory Mercury Task Force to develop recommendations for an overall mercury reduction action plan for New Jersey. The deliberations of this Task Force are almost complete and there is a commitment in this PPA to "Incorporate into the PPA those Task Force recommendations that are accepted by the Commissioner." This is expected to take place in the form of revisions to the PPA during the annual review period.

The key issues identified for mercury focus on elevated levels of mercury in environmental media and its bioaccumulation in biota. Investigating any one part of the mercury issue may provide some information toward the understanding of mercury cycling, but this unique metal requires broad-based, holistic study in order for environmental managers to understand how, for example, very low levels of mercury in surface water can contribute to elevated mercury levels in fish.

Therefore, the subgoals, milestones and environmental indicators for mercury have been designed to trace the cycling of this metal through the environment and through its many receptors including fish, birds, aquatic mammals and humans.

Safe and Healthy Communities

Goal: New Jersey communities will be free from unacceptable human health and ecological risks through the prevention of releases of harmful substances to environmental media and through the safe management of harmful substances to environmental media and through the safe management of harmful substances and harmful incidents/occurrences, including those involving floods, fires and storms.

Site Remediation

Subgoals:

1. Eliminate or reduce the risk to human health and environmental receptors from contaminated ground water.
2. Eliminate or reduce risk to human health from contaminated potable water sources.
3. Eliminate or reduce the risk to human health and environmental receptors from contaminated soil.
4. Eliminate or reduce the risk to human health and environmental receptors from non-point discharges to surface water.
5. Eliminate or reduce the risk to human health and environmental receptors from uncontrolled air releases from contaminated sites.
6. Eliminate or reduce the risk to human health and environmental receptors from source areas of contaminated media and hazardous substances that remain ongoing discharges to the environment.

Solid/Hazardous Waste

Subgoals:

1. Achieve and maintain the safe management of wastes in an environmentally sound manner.
2. Minimize the generation of solid and hazardous wastes.
3. Minimize the land disposal of waste.
4. Achieve the proper closure of terminated facilities.

Pesticides

Subgoals:

1. Prevent potential risk to public health and the environment associated with the use of pesticides.
2. Manage potential risk to public health and the environment associated with the use of pesticides.

Pollution and Release Prevention

Subgoals:

1. Evolve the current system of pollution control into one of pollution prevention.
2. Minimize the use of hazardous substances and generation of nonproduct output (NPO) by New Jersey facilities.

3. Ensure that procedures are in place at covered facilities to prevent accidental releases & discharges of regulated hazardous substances.
4. Collect, process & disseminate state & federal chemical inventory & environmental release data.

Radiation Protection

Subgoals:

1. Reduce global and transboundary radiation risk.
2. Reduce radon-induced lung cancers in New Jersey by having all buildings tested for radon and, where appropriate mitigate.

Mercury

Subgoals:

1. Reduce the levels of mercury in environmental media.
2. Reduce the levels of mercury in biological media, including the human body burden.

SITE REMEDIATION

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Contaminated Ground Water						
SRM - 1.0	Cleanup, mitigate, or control impacts to ground water at/from contaminated sites for 8% of the active universe annually.	SRI - 1.0	Number and location of known sites where ground water exceeds criteria specified in the Ground Water Quality Standards.	Cause	HED	NJEMS Site Attribute; CEA GIS Coverage	Other Committed
		SRI - 2.0	Estimated areal extent of contaminated ground water for known contaminated sites in the state.	Condition	HED	CEA GIS Coverage	Other Committed
		SRI - 3.0	Number, location and areal extent of ground water cases that have been fully cleaned up.	Response	HED	NJEMS Site Attribute; CEA GIS Coverage	Other Committed
		SRI - 4.0	Number, location and areal extent of ground water cases that have been mitigated/controlled.	Response	HED	NJEMS Site Attribute; CEA GIS Coverage	Other Committed
		SRI - 5.0	Number, location and areal extent of ground water cases where plume has been defined and/or remedy approved.	Response	HED	NJEMS Site Attribute; CEA GIS Coverage	Other Committed
		SRI - 6.0	Percent and trends over time of known ground water contamination sites which have been cleaned up.	Response	HED	SRI - 3	Other Committed
		SRI - 7.0	Percent and trends over time of known ground water contamination sites which have been mitigated/controlled.	Response	HED	SRI - 4	Other Committed
		SRI - 8.0	Percent and trends over time of known ground water contamination sites with defined plume and/or approved remedy.	Response	HED	SRI - 5	Other Committed
		SRI - 9.0	UST sites: # of Confirmed Releases, Cleanups Initiated, Cleanups Conducted, Emergency Responses; Total # Petroleum USTs, Closed Petroleum USTs, Haz Substance USTs, % Systems Meeting Leak Detec and Upgrade Req.	Response	MQD	NJEMS, UST Databases	CPM-National
SRM - 2.0	Map 100% of all CEAs on GIS within three months of CEA being established.	SRI - 10.0	Percent of established CEAs that have been mapped on GIS within three months.	Response	HED	CEA GIS Coverage, Calculation	Other Committed
	Subgoal 2 = Contaminated Potable Water						
SRM - 3.0	Ensure alternate potable water sources are provided when known contaminated sites have caused ground water to exceed Safe Drinking Water Standards.	SRI - 11.0	Number and location of known contaminated sites where ground water from drinking water supply wells exceeds safe drinking water standards.	Cause	HED	NJEMS Site Attribute; EQUIS	Future Reporting
		SRI - 12.0	Number and location of public & private supply wells where ground water exceeds safe drinking water standards.	Condition	HED	NJEMS Site Attribute; EQUIS	Future Reporting
		SRI - 13.0	Number of remedies of provision of potable water: in-house POETs, hook up to community or public water systems, new well installation or well relocation.	Response	HED	NJEMS - Remedy File	Future Reporting
		SRI - 14.0	Number of households protected or provided alternate water sources.	Response	HED	NJEMS - Remedy File; Calculation	Future Reporting

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 3 = Contaminated Soil						
SRM - 4.0	Cleanup, mitigate, or control impacts to soil at/from contaminated sites for 20% of the active universe annually.	SRI - 15.0	Number and locations of sites where soil contamination exceeds the Soil Cleanup Criteria (SCC).	Cause	HED	NJEMS - Site Attribute	Other Committed
		SRI - 16.0	Areal extent of contaminated soil.	Condition	HED	NJEMS - DER; EQUIS; DER GIS Coverage	Future Reporting
		SRI - 17.0	Number and areal extent of complete actions meeting residential SCC (unrestricted use).	Response	HED	NJEMS - Site Attribute	Other Committed
		SRI - 18.0	Number and areal extent of complete actions meeting non-residential SCC & requiring institutional controls (limited restricted use).	Response	HED	NJEMS - Site Attribute	Other Committed
		SRI - 19.0	Number and areal extent of complete actions requiring institutional and engineering controls (restricted use).	Response	HED	NJEMS - Site Attribute	Other Committed
		SRI - 20.0	Number of sites where no further action is required for the entire site.	Response	HED	NJEMS - Site Attribute	Other Committed
		SRI - 21.0	UST sites: # of Confirmed Releases, Cleanups Initiated, Cleanups Conducted, Emergency Responses; Total # Petroleum USTs, Closed Petroleum USTs, Haz Substance USTs, % Systems Meeting Leak Detec and Upgrade Req.	Response	MQD	NJEMS, UST Databases	CPM-National
	Subgoal 4 = Non-point Discharges						
SRM - 5.0	Remediate non-point discharges to surface water from known contaminated sites.	SRI - 22.0	Number and location of sites with potential discharges to surface water from contaminated surface runoff.	Cause	HED	NJEMS - SW Impact; EQUIS	Other Committed
		SRI - 23.0	Number and location of sites with potential discharges to surface water from contaminated ground water.	Cause	HED	NJEMS - SW Impact; EQUIS	Other Committed
		SRI - 24.0	Number and location of sites with potential discharges to surface water from emergency situations (spills).	Cause	MPK	NJEMS - Incidents	Other Committed
		SRI - 25.0	Track the number of full ecological evaluations conducted pursuant to N.J.A.C. 7:26E.	Response	HBB	BEERA Database	Other Committed
		SRI - 26.0	The number of surface water emergency responses mitigated.	Cause	MPJ	NJEMS -ER	Other Committed
	Subgoal 5 = Uncontrolled Air Releases						
SRM - 6.0	Cleanup, mitigate, or control contaminated air emanating at/from SRP sites.	SRI - 27.0	Number of sites where a vapor problems (acute or chronic) exists.	Cause	MPI	NJEMS -IEC	Other Committed
		SRI - 28.0	Number of sites where acute vapor hazards (explosive or immediate environmental concern situations) have been remediated or mitigated.	Response	MPI	NJEMS - IEC	Other Committed
	Subgoal 6 = Ongoing Discharges						

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SRM -	7.0	Manage cases per the Case Management Strategy to address contamination at inactive/non-compliant sites.	SRI -	29.0	Number of cases to be assessed to determine if contamination is present.	Cause	HED	NJEMS - Activities	Other Committed
			SRI -	30.0	Number, ratio and trends over time of known contaminated cases that are a) awaiting assignment to cleanup program and b) assigned to cleanup program.	Condition	HED	NJEMS - Activities	Other Committed
			SRI -	31.0	Number of inactive/non-compliant cases processed through Case Management Strategy and a) received for RPS scoring b) where ACOs were signed c) assigned to cleanup program in DRPSR d) had enforcement action taken, or e) assigned for publicly funded action.	Response	HED	NJEMS - Activities	Other Committed

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment									
1	Data Management	SRC -	1.0	Continue SRP info management and NJEMS integration at the program and site specific level.	HED	State – General Fund		Not CPM	SRP Program Report	SRM 1-7
1	Data Management	SRC -	2.0	Continue to implement standardized electronic data submittal requirements for regulated community; further develop support systems to meet SRP staff needs.	HED	State – General Fund		Not CPM	SRP Monthly Report	SRM1,4
1	Geographic Information Systems	SRC -	3.0	Maintain/update GIS coverages.	HED	State – General Fund		Not CPM	SRP Monthly Report	SRM 1,2,4,7
1	Ambient & Facility Monitoring	SRC -	4.0	Rank New and Existing Sites; Conduct Preliminary Assessments and Site Investigations.	MPI	State – General Fund	Federal – EPA Other	Not CPM	SRP Program Report	SRM 7
1	Quality Assurance/Quality Control	SRC -	5.0	Perform site-specific, analytical QA and programmatic QA.	HBC	State – General Fund	Federal – EPA Other	Not CPM	Other	SRM 1-7
	Phase 2 = Strategic Planning									
2	Rule Development	SRC -	6.0	Continue and complete rulemaking initiatives.	HED	State – General Fund		Not CPM	New Jersey Register	SRM 1-7
2	Innovative Technologies	SRC -	7.0	Develop/implement interstate reciprocity system for innovative technology & regulatory acceptance.	RCB	State – General Fund		Not CPM	Other	SRM 1,4
2	Program Development	SRC -	8.0	Continue all lead and support aspects of the remedial process to cleanup sites in a timely fashion.	MMA	State – General Fund	Federal – EPA Other	Not CPM	Other	SRM 1-7
2	Program Development	SRC -	9.0	Explore the feasibility to expand the pilot UST Inspection Program to additional CEHA offices and Certified Contractors.	MQD	State – General Fund	Federal – PPG	Not CPM	Other	SRM 1-7
2	Program Development	SRC -	10.0	Training, outreach, compl/enf support; seek funding where possible.	EPO			Not CPM	Other	SRM 1-7
2	Protocol Development	SRC -	11.0	Finalize Emergency Response strategies to address responses to threats such as Weapons of Mass Destruction and Booming of Surface Waters.	MPJ	State – General Fund		Not CPM	SRP Monthly Report	SRM 5
	Phase 3 = Strategy Implementation									
3	Program Implementation	SRC -	12.0	Site Investigation & Remedial Performance.	MME	State – General Fund	Federal – PPG	Not CPM	RCRA Corrective Action Status Report–Annual	SRM 1-7
3	Program Implementation	SRC -	13.0	Implement strategy for SRP to assist stakeholders in redevelopment of under-utilized properties in NJ.	MMA	State – General Fund		Not CPM	SRP Newsletter	SRM 1,3,4

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Financial Assistance	SRC - 14.0	Coordinate all cost recovery, financial assistance, and financial support activities for SRP.	MMF	State – General Fund		Not CPM	SRP Program Report	SRM 1,3,4,5,6
3	Education & Outreach	SRC - 15.0	Coordinate SRP activities with groups and agencies impacted by RCRA sites within our program and policies being developed by SRP.	MEE	Federal – PPG	State – General Fund	Not CPM	Other	SRM 1-7
3	Education & Outreach	SRC - 16.0	Communicate and conduct outreach to inform stakeholders of SRP activities and obtain stakeholder input.	MMA	State – General Fund		Not CPM	SRP Newsletter	SRM 1-7
3	Compliance Evaluation	SRC - 17.0	Conduct UST Compliance Inspections and oversee the County UST Inspection Program.	MQD	State – Other	Federal – PPG	Not CPM	SRP Quarterly Report	SRM 1,4
3	Compliance Evaluation	SRC - 18.0	Develop operation performance measures.	EPO			Not CPM	Other	SRM 1-6
3	Compliance Evaluation	SRC - 19.0	Provide to EPA on CD and in format able to be imported to EPA's system, soil and ground water contamination data and GIS Orthophoto data for all 61 GPRA sites for which data has been received. Complete EPA-QEIC development techniques and evaluate for future use as indicators.	HED	Federal – EPA Other	State – General Fund	Not CPM	Other	SRM 1,4
3	Technical Assistance	SRC - 20.0	Assist NJDEP in obtaining electronic data from GPRA facilities. Provide technical assistance and coordinate with NJDEP QEIC activities.	EPO			Not CPM	Other	SRM 1-6
3	Modeling	SRC - 21.0	Develop I-map application to portray base level ground water contamination info for well permitting; seek stakeholder input.	HED	State – General Fund	Federal – EPA Other	Not CPM	Other	SRM 4
3	Program Implementation	SRC - 22.0	Project annual outputs for, and manage high priority RCRA facilities so human exposures & ground water releases are controlled; respond to EPA requests to assist in evaluating if these are controlled.	MME	Federal – PPG	State – General Fund	CPM-Negotiated	Other	SRM 1-6
3	Technical Assistance	SRC - 23.0	Provide (to NJDEP) contractor reviews targeting data gaps in the achievement of EPA's Environmental Indicators.	EPO			CPM-Negotiated	Other	SRM 1-6
3	Program Implementation	SRC - 24.0	Negotiate with EPA to revise schedule in the Closure/Post Closure Strategy, implement per that schedule for applicable units, and report activities to the Hazardous Waste Program.	MME	Federal – PPG	State – General Fund	Not CPM	Other	SRM 1-6
3	Technical Assistance	SRC - 25.0	Provide technical assistance during implementation of the strategy.	EPO			Not CPM	Other	SRM 1-6

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
3	Program Implementation	SRC - 26.0	For RCRA GPRA Corrective Action universe, provide to EPA copies of all correspondence generated by DEP, and notify facilities to send to EPA copies of all documents related to Site Remediation.	MME	Federal – PPG	State – General Fund	Not CPM	Other	SRM 1-6
3	Compliance Evaluation	SRC - 27.0	For high priority RCRA CA facilities (on semi-annual basis) and for all RCRA CA facilities (on annual basis) work with EPA to develop annual milestones (using EPA's and DEP's priorities as basis) and provide outputs for stabilization activities, remedy selections, and remedy completions.	MME	Federal – PPG	State – General Fund	Not CPM	EPA Semi-Annual Report	SRM 1-6
3	Program Implementation	SRC - 28.0	Issue Waterfront Development Permits and Water Quality Certificates for approved dredging and disposal projects.	AAA	State – General Fund		Not CPM	Other	SRM 1,3,4
	Phase 4 = Strategy Evaluation								
4	Indicators	SRC - 29.0	Use PPA process to evaluate/refine data collection and management for indicator development, program assessment and strategy implementation.	HED	State – General Fund		Not CPM	NEPPS Annual Performance Report	SRM 1-7
4	Indicators	SRC - 30.0	Work with surface water/watershed representatives to develop methods to evaluate discharges to surface water and/or the impact/loadings to surface water from contaminated sites.	HED	State – General Fund		Not CPM	NEPPS Annual Performance Report	SRM 5
4	Indicators	SRC - 31.0	Define brownfields and brownfields universe; develop indicators to track remedial and redevelopment progress.	HED	State – General Fund		Not CPM	NEPPS Annual Performance Report	SRM 1-7

SOLID/HAZARDOUS WASTE

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Safe Management of Wastes						
SHM - 1.0	By the year 2005, 100% of existing hazardous waste facilities will have approved controls in place to prevent dangerous releases to soil and water.	SHI - 1.0	% of existing hazardous waste facilities with approved controls in place to prevent dangerous releases to soil and water	Response	SDF		CPM-National
SHM - 2.0	By September 2003, all hazardous waste incinerators will be in compliance with applicable maximum achievable control technology (MACT) standards for air emissions or more stringent standards if warranted by risk assessment.	SHI - 2.0	% of hazardous waste incinerators in compliance with MACT standards or more stringent if warranted by risk assessment.	Response	SDF		CPM-Negotiated
SHM - 3.0	By the year 2005, 100% of all solid waste facilities and Class B, C, and D recycling centers will have approved air, groundwater and wastewater controls in place, if necessary, to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance.	SHI - 3.0	% of solid waste facilities and recycling centers with adequate controls in place.	Response	SDF		CPM-Negotiated
SHM - 4.0	By 2005, all hazardous waste accumulation tanks will have controls in place to prevent dangerous releases to soil and water.	SHI - 4.0	% of hazardous waste accumulation tanks with controls in place to prevent dangerous releases to soil and water	Response	LFA		CPM-National
SHM - 5.0	Clean up tires abandoned in piles	SHI - 5.0	Number of abandoned tires.	Cause	LFB		Future Reporting
	Subgoal 2 = Generation						
SHM - 6.0	By 2005, achieve 50% reduction of PBT chemicals as compared to base year 1991.	SHI - 6.0	Amount of PBTs generated	Cause	SHB		CPM-Negotiated
SHM - 7.0	Maintain and improve solid waste minimization.	SHI - 7.0	Amount of solid waste generated in NJ on a per capita basis.	Cause	SHE		CPM-National
	Subgoal 3 = Land Disposal						
SHM - 8.0	By 2005, hazardous waste generation rates will be reduced by 10% as compared to base year 1991.	SHI - 8.0	Amount of hazardous waste generated.	Cause	SHB		CPM-National
SHM - 9.0	Achieve recycling rates of 65% of the total solid waste stream and 50% of the municipal waste stream and maintain thereafter.	SHI - 9.0	% of total & municipal waste streams recycled.	Response	SHE		CPM-National
	Subgoal 4 = Proper Closure						
SHM - 10.0	Increase food waste recycling and composting rates	SHI - 10.0	% of food waste recycled and/or composted	Response	SHE		CPM-Negotiated

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
SHM -	11.0	By the year 2005, 50% of solid waste landfills that ceased accepting waste after 1981 will be properly closed.	SHI -	11.0	% of solid waste landfills that accepted waste after 1981 that are properly closed	Response	SDD		Future Reporting
SHM -	12.0	By 2003, achieve approved closure plans for all operating hazardous waste facilities.	SHI -	12.0	% of hazardous waste operating facilities with approved closure plans.	Response	SDF		Future Reporting
SHM -	13.0	By 2005, achieve approved closure plans for 65% of all operating solid waste landfills	SHI -	13.0	% of operating solid waste landfills with approved closure plans.	Response	SDD		Future Reporting

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment								
1	Data Management	SHC - 1.0	Maintain manifest records for all hazardous waste manifested within, from, or to New Jersey.	SHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Data Management	SHC - 2.0	Update all hazardous waste records through direct data entry into RCRA Info.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Data Management	SHC - 3.0	Maintain updated hazardous waste generation and management records through BRS.	SHB	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	SHM-21, SHM-22, SHM-10
	Data Management	SHC - 4.0	Maintain compliance and enforcement database for New Jersey solid and hazardous waste handler universe.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Data Management	SHC - 5.0	Maintain annual reporting on solid waste and recycling tonnage.	SHE	State – General Fund		CPM-Negotiated	Environmental Indicators Technical Report	SHM-11, SHM-12
	Data Management	SHC - 5.5	Jointly agree on priorities to update, review and correct historic RCRA permitting and closure data. Provide a schedule for updating RCRA Info in accordance with the agreed upon priorities. And, implement the schedule.	SDF	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Staff Training & Development	SHC - 6.0	Provide training as needed on RCRA Info and necessary support.	EPO			Not CPM		
	Data Management	SHC - 8.0	Provide support for BRS as needed	EPO			Not CPM		
	Data Management	SHC - 8.5	Concur on priorities and schedule for updating and correcting RCRA permitting and closure data in RCRAInfo. Respond to requests for assistance.	EPO			Not CPM		
	Data Analysis & Reporting	SHC - 9.0	Evaluate hazardous waste generation trends through assessment of the BRS database.	SHB	Federal – PPG	State – General Fund	CPM-Negotiated	NEPPS Annual Performance Report	SHM-10, SHM-21, SHM-22
	Data Analysis & Reporting	SHC - 10.0	Evaluate solid waste generation trends through assessment of monthly solid waste facility disposal reports and annual solid waste and recycling tonnage reports.	SHE	State – General Fund		CPM-Negotiated	NEPPS Annual Performance Report	SHM-11, SHM-12
	Phase 2 = Strategic Planning								
2	PPA Preparation & Maintenance	SHC - 12.0	Continue to develop quantitative milestones/objectives.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Indicators	SHC - 13.0	Develop new indicators and/or improve indicators.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Indicators	SHC - 14.0	Assess feasibility of developed indicators with existing data.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Program Implementation	SHC - 15.0	Continue to develop and negotiate the MOA between New Jersey and the EPA for RCRA authorization as necessary.	SHE	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Indicators	SHC - 16.0	Participate on Joint Indicators Team. Review and comment as appropriate.	EPO			Not CPM		
	Program Implementation	SHC - 20.0	Continue to review and negotiate the MOA between New Jersey and the EPA for RCRA authorization, as necessary	EPO			Not CPM		
	Technical Assistance	SHC - 21.0	Provide technical assistance and training on solid waste management issues	EPO			Not CPM		
	Program Implementation	SHC - 22.0	Review and provide necessary input on compliance assistance effectiveness strategy	EPO			Not CPM		
	Rule Development	SHC - 27.5	Develop equivalent legislation, regulations and program revision applications for RCRA and HSWA/non-HSWA provisions for which the State is prepared to seek authorization and submit current and future authorization packages within a mutually agreed upon timeframe.	SHE	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Rule Development	SHC - 28.0	Continue review and development of solid waste regulations.	SHE	State – General Fund		Not CPM	NEPPS Annual Performance Report	
	Technical Assistance	SHC - 30.0	Provide technical assistance to regulated community and the public on all aspects of waste management.	SAA	Federal – PPG	State – General Fund	Not CPM	Other	
	Program Implementation	SHC - 31.0	Review and approve RCRA authorization applications and proposed regulations	EPO			Not CPM		
	Staff Training & Development	SHC - 32.0	Provide training on hazardous waste regulations	EPO			Not CPM		
	Staff Training & Development	SHC - 33.0	Provide training on closure/post-closure and assist with implementation and coordination issues	EPO			Not CPM		
	Phase 3 = Strategy Implementation								
	Permitting	SHC - 37.0	Implement closure and/or post-closure for applicable RCRA regulated storage and treatment facilities. Provide guidance and assistance to SRP concerning closure issues. Input applicable closure and post-closure activities into RCRA Info.	SDF	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Program Implementation	SHC - 37.5	Develop a strategy to coordinate RCRA financial assurance compliance between DSHW and SRP.	SDF	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Program Implementation	SHC - 38.5	Review and provide input on strategy to coordinate RCRA financial assurance compliance	EPO			Not CPM		
	Staff Training & Development	SHC - 39.0	Manage staff training in order to strengthen the State's program capabilities.	SAA	Federal – PPG	State – General Fund	Not CPM	Other	
	Staff Training & Development	SHC - 40.0	Provide training in all RCRA areas such as but not limited to authorization, land ban inspections, etc. Respond to questions.	EPO			Not CPM		

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Permitting	SHC - 41	Review and issue final decisions on all permit applications, permit modification applications, closure plans and other approval requests, in conformance with the schedules established pursuant to the Environmental Management Accountability Act, and review permit and approval compliance and reports.	SDF	Federal – PPG	State – General Fund	CPM-National	Doria Report	SHM-1, SHM-2, SHM-4, SHM-23, SHM-24
	Program Implementation	SHC - 42.0	Coordinate with DEP Air Program to implement MACT procedures for applicable hazardous waste incinerators.	SDF	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	SHM-2
	Permitting	SHC - 44.0	Negotiate SWFPPAs.	SDF	State – General Fund		Not CPM	NEPPS Annual Performance Report	
	Permitting	SHC - 45.0	Perform timely reviews for Subpart X applications and issue permits in accordance with EPA GPRA goals.	SDF	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	SHM-1
	Permitting	SHC - 46.0	Consider applications, plans, and requests, as appropriate, based upon aspects which have federal applicability	EPO			Not CPM		
	Permitting	SHC - 46.5	Provide guidance and assistance (risk assessments, etc) in accordance with available resources for MACT and Subpart X applications.	EPO			Not CPM		
	Program Implementation	SHC - 50.0	Promote source reduction efforts for the purposes of reducing or slowing the growth rate of per capita waste generation.	SHE	State – General Fund		CPM-National	NEPPS Annual Performance Report	SHM-11
	Program Implementation	SHC - 51.0	Promote recycling for the purposes of increasing the rate of participation in recycling and expanding the number of materials recycled.	SHE	State – General Fund		CPM-National	NEPPS Annual Performance Report	SHM-12
	Program Implementation	SHC - 52.0	Promote beneficial reuse options through such efforts as tires for road aggregate or energy recovery.	SDB	State – General Fund		CPM-National	NEPPS Annual Performance Report	SHM-12
	Program Implementation	SHC - 53.0	Promote landfill mining projects for materials recovery and land recovery.	SDD	State – General Fund		Not CPM	NEPPS Annual Performance Report	
	Program Implementation	SHC - 54.0	Provide technical assistance, training and demonstration grants, where appropriate. Assist in outreach through Region II Solid Waste Round tables and outreach to Environmental Justice communities	EPO			Not CPM		
	Compliance Evaluation	SHC - 55.0	Inspect all BIFs and TSDs in accordance with HSWA and State requirements.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Compliance Evaluation	SHC - 56.0	Conduct CME or OM inspection at least one every three years at each LDF where groundwater monitoring is being conducted by the owner/operator.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Compliance Evaluation	SHC - 57.0	Inspect a minimum of 100 LQGs and 100 SQGs for the first year of the PPA. For the following years of the PPA, inspect a minimum of 20% of the active universe of LQGs and SQGs based on an analysis to be conducted by BHWC&E.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Compliance Evaluation	SHC - 58.0	Inspect the CESQG, transporter and used oil handler universes at a frequency reflective of their risk to the environment. A minimum of 120 inspections in total is projected for these handlers.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Compliance Evaluation	SHC - 60.0	Perform follow-up compliance inspections and reviews at 100 percent of hazardous waste handler universe found in non-compliance during an initial inspection.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Compliance Evaluation	SHC - 61.0	Review and perform appropriate response to allegations or complaints received from NJDEP Hotline or directly from complaints.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Enforcement	SHC - 62.0	Where appropriate, refer those allegations of criminal activity to NJDL&PS's Division of Criminal Justice.	LFB	Federal – PPG	State – General Fund	Not CPM	Other	
	Compliance Evaluation	SHC - 63.0	Inspect regulated handlers in USEPA priority RCRA areas, industrial sectors & targeted communities/geographical areas over the PPA	EPO			Not CPM		
	Compliance Evaluation	SHC - 64.0	Inspect commercial TSDs, State TSDs, BIFs & incinerators at a frequency consistent with USEPA policy/guidance	EPO			Not CPM		
	Compliance Evaluation	SHC - 65.0	Conduct joint inspections during the year with new State inspectors	EPO			Not CPM		
	Compliance Evaluation	SHC - 66.0	Perform follow-up compliance inspections & reviews at 100% of handler universe found in non-compliance during initial inspection	EPO			Not CPM		
	Enforcement	SHC - 67.0	Provide CERCLA Emergency Removal Action at sites id'd by NJDEP as unwilling/unable to correct violations involving improper treatment, storage, or disposal of hw, and where such illegal TSDs resulted in imminent & substantial endangerment	EPO			Not CPM		
	Compliance Evaluation	SHC - 68.0	Review and perform appropriate response to allegations or complaints received from the public	EPO			Not CPM		
	Enforcement	SHC - 69.0	Where appropriate, refer those allegations to EPA's Criminal Investigations Division.	EPO			Not CPM		
	Compliance Evaluation	SHC - 70.0	Inspect all solid waste facilities in accordance with the SWMA and NJDEP requirements.	LFB	State – General Fund		Not CPM	Other	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Enforcement	SHC - 71.0	Take formal enforcement actions in accordance with NJDEP and USEPA enforcement agreement.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Enforcement	SHC - 72.0	Resolve formal enforcement actions through settlement agreements, Supplemental Environmental Enforcement Projects and Alternative Dispute Resolution. Such settlements will be in accordance with NJDEP and USEPA Enforcement Agreement.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Enforcement	SHC - 73.0	Issue formal enforcement actions for all HPV/SNC violations and unresolved violations in accordance with NJDEP and USEPA enforcement agreement	EPO			Not CPM		
	Enforcement	SHC - 74.0	Resolve formal enforcement actions through settlement agreements, Supplemental Environmental Enforcement Projects and Alternative Dispute Resolution. Such settlements will be in accordance with NJDEP and USEPA Enforcement Agreement.	EPO			Not CPM		
	Enforcement	SHC - 75.0	EPA will take enforcement actions for violations of regulations that NJDEP is not authorized for	EPO			Not CPM		
	Technical Assistance	SHC - 76.0	Continue to provide information to the public concerning hazardous waste issues in New Jersey.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Technical Assistance	SHC - 77.0	Contact and offer compliance assistance to new handlers of hazardous waste activity.	LFA	Federal – PPG	State – General Fund	Not CPM	Other	
	Technical Assistance	SHC - 78.0	Provide compliance assistance during compliance evaluation inspections to address areas of non-compliance discovered during inspections.	LFB	Federal – PPG	State – General Fund	Not CPM	Other	
	Technical Assistance	SHC - 79.0	Conduct seminars for regulated handlers of hazardous waste concerning topics of interest to the regulated community	EPO			Not CPM		
	Technical Assistance	SHC - 80.0	Provide compliance assistance during compliance evaluation inspections to address areas of non-compliance discovered during inspections.	EPO			Not CPM		
	Compliance Evaluation	SHC - 81.0	Conduct "DEP ONE-STOP" Enforcement Compliance Overviews.	LFB	Federal – PPG	State – General Fund	Not CPM	Other	
	PPA Preparation & Maintenance	SHC - 82.0	Continue stakeholders participation in Annual Performance Report, milestones and indicator development, and performance partnership agreement development.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Technical Assistance	SHC - 83.0	Continue to provide information to the public concerning solid and hazardous waste issues in New Jersey.	LFB	Federal – PPG	State – General Fund	Not CPM	Other	
	Technical Assistance	SHC - 84.0	Contact and offer compliance assistance to new handlers at regulated solid waste facilities.	LFB	State – General Fund		Not CPM	Other	
	Technical Assistance	SHC - 85.0	Respond to requests for compliance assistance audits from regulated solid waste facilities.	LFB	State – General Fund		Not CPM	Other	
	Technical Assistance	SHC - 86.0	Provide compliance assistance during compliance evaluation inspections to address areas of non-compliance discovered during inspections.	LFB	State – General Fund		Not CPM	Other	
	Phase 4 = Strategy Evaluation								
4	Indicators	SHC - 87.0	Evaluate the NJ solid and hazardous waste programs through the Environmental Indicators selected.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	Indicators	SHC - 88.0	Use indicators to refine priorities.	SAA	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	
	PPA Preparation & Maintenance	SHC - 89.0	Review and provide input on the Annual Performance Report	EPO			Not CPM		
	Indicators	SHC - 90.0	Review and provide input on Indicators Report	EPO			Not CPM		
	PPA Preparation & Maintenance	SHC - 91.0	Assist State in correcting problems, defining and achieving goals	EPO			Not CPM		

PESTICIDE CONTROL

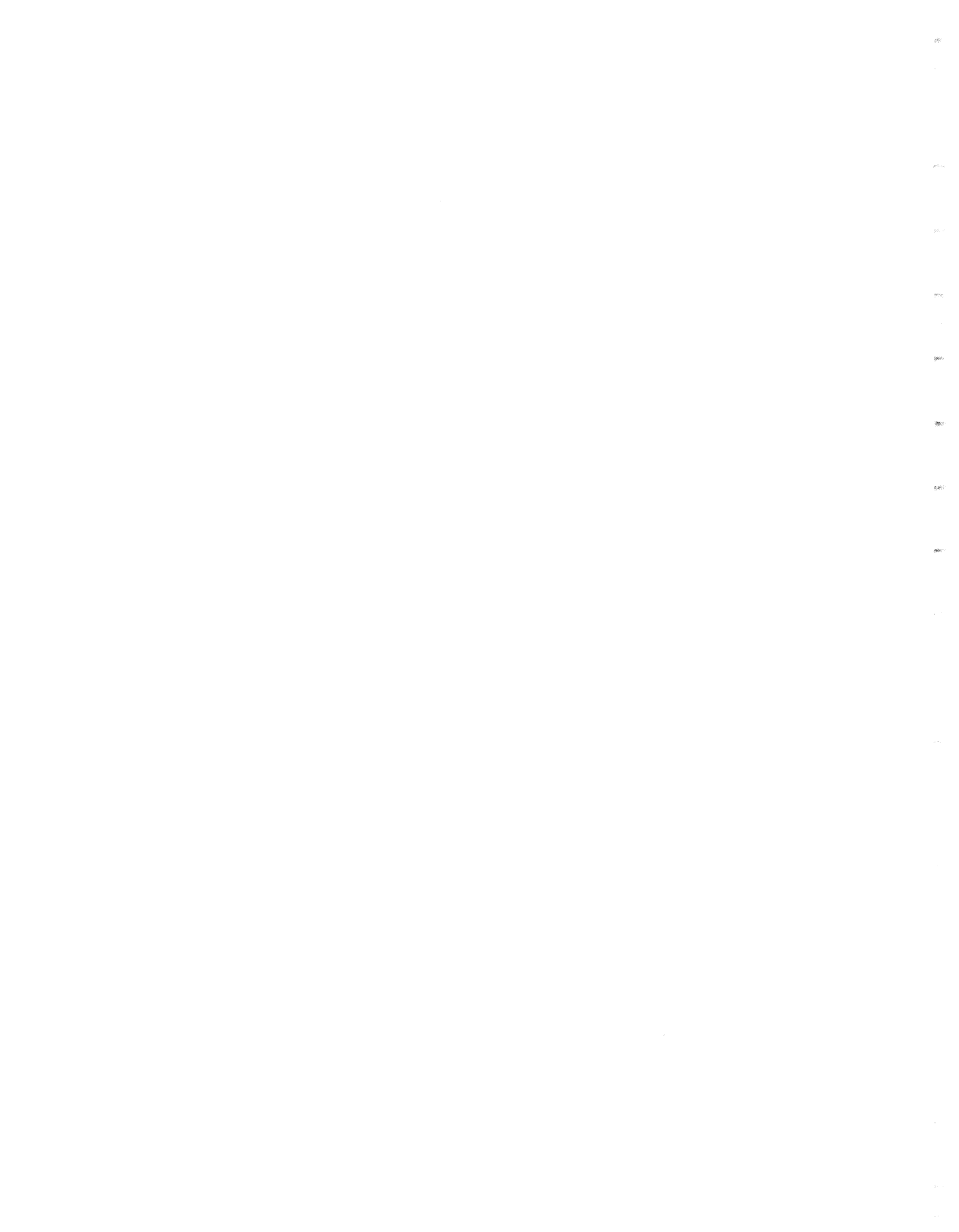
M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Prevent Potential Risk						
PSM - 1.0	By 2005, all licensed pesticide applicators will have sufficient knowledge to implement Integrated Pest Management (IPM) programs.	PSI - 1.0	Annual number of investigations into alleged misuse of pesticides.	Cause	PCP	NJEMS	Other Committed
		PSI - 2.0	Total amount (lbs) of pesticides applied by licensed applicators which are: a) classified as carcinogens by the EPA, b) classified as highly toxic pesticides by the EPA.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 3.0	Annual number of pesticide-related inquiries to the New Jersey Poison Information and Education System (NJPIES).	Cause	PCP	NJPIES Database	CPM-Negotiated
		PSI - 4.0	Total amount (lbs) of pesticides applied by licensed applicators in New Jersey schools.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 5.0	Percentage of pesticide-related inquiries to the NJPIES with documented and verified harm or injury to persons that are: a) self applications, b) applicator applications.	Condition	PCP	NJPIES Database	CPM-Negotiated
		PSI - 6.0	Percentage of schools which do not employ IPM strategies in their pest control programs.	Condition	PCP	PCP Databases	Other Committed
		PSI - 7.0	Percentage of violative cases of misuse caused by: a) unlicensed applicators, b) applicators not required to be licensed.	Response	PCP	NJEMS	Other Committed
		PSI - 8.0	Extent and efficacy of pesticide Integrated Pest Management (IPM) techniques and Best Management Practices (BMP) implementation.	Response	PCP	PCP Databases	Other Committed
	Subgoal 2 = Manage Potential Risk						
PSM - 2.0	By 2010, assess the status of pesticide residues on New Jersey grown produce.	PSI - 9.0	Total amount (lbs) of pesticides applied annually by licensed applicators to New Jersey land in agricultural production.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 10.0	Extent of commodity sampling.	Cause	PCP	PCP Commodity Database	Other Committed
		PSI - 11.0	Status and trends of detectable pesticide residues on New Jersey commodities.	Condition	PCP	PCP Commodity Database	Other Committed
		PSI - 12.0	Percentage of crop samples collected with violative pesticide residues due to: a) lack of established tolerance, b) residues above established tolerances.	Response	PCP	PCP Commodity Database	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
PSM - 3.0	Reduce the potential for adverse impacts on farmworkers from pesticide exposure.	PSI - 13.0	Total amount (lbs) of pesticides applied annually by licensed applicators to crops which require farmworker handling.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 14.0	Percentage of New Jersey farms inspected that fall under the scope of WPS, and are in compliance with training requirements.	Condition	PCP	NJEMS	CPM-Negotiated
		PSI - 15.0	Total number of workers, handlers and growers trained in the WPS.	Response	PCP	PCP Databases	Other Committed
PSM - 4.0	By 2005, assess the status of pesticide residues in shallow ground water in areas of high agricultural use and in surface water in selected areas of high use.	PSI - 16.0	Total Amount (lbs) of pesticides applied annually by licensed applicators to exterior sites (e.g. agriculture, turf, ornamental).	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 17.0	Total pesticide use comprised of known ground water leachers.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 18.0	Total amount (lbs) of pesticides applied annually to state waters resulting from aquatic-use permits.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 19.0	Total number of investigations into alleged pesticide contamination of State waters.	Cause	PCP	NJEMS	CPM-National
		PSI - 20.0	Extent of surface and ground water monitoring.	Cause	PCP	PCP Databases	Other Committed
		PSI - 21.0	Status and trends of detectable pesticide residues in ground and surface water: a) ambient monitoring network, b) directed monitoring programs.	Condition	PCP	PCP Databases	CPM-National
		PSI - 22.0	Percentage of investigations which result in documented contamination, or significant risk, of State waters due to improper pesticide use.	Condition	PCP	NJEMS	Other Committed
PSM - 5.0	Reduce potential exposure to the public resulting from activities associated with mosquito control and related nuisance and disease vector control.	PSI - 23.0	Annual number of investigations into alleged misuse of pesticides.	Cause	PCP	NJEMS	Other Committed
		PSI - 24.0	Total amount (lbs) of pesticides applied for mosquito control in New Jersey.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 25.0	Percentage of pesticide applications for mosquito control which use adulticides rather than larvicides.	Cause	PCP	PCP Pesticide Use Survey Database	Other Committed
		PSI - 26.0	Status of detectable mosquito control pesticide residues in the environment.	Condition	PCP	PCP Databases	Other Committed

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Phase 1 = Data Collection & Assessment								
	Ambient & Facility Monitoring	PSC - 1.0	Continue the ground water monitoring plan under the PMP.	PCP	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	PSM-4
		PSC - 2.0	Develop a monitoring plan for the School Integrated Pest Management (IPM) Program.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
		PSC - 3.0	Continue the New Jersey Food Monitoring and Evaluation Program as developed in the pilot season.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-2
		PSC - 4.0	Continue PCP-FDA Cooperative Food Sampling Program.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-2
1	Laboratory Analysis	PSC - 5.0	Maintain pesticide laboratory.	PCP	Federal – PPG	State – General Fund	Not CPM	QA Quarterly Report	PSM-2, PSM-4, PSM-5
		PSC - 6.0	Develop Standard Operating Procedures (SOPs) as necessary.	PCP	State – General Fund		Not CPM	QA Quarterly Report	PSM-2, PSM-4, PSM-5
1	Research	PSC - 7.0	Continue pesticide environmental impact investigation projects.	PCP	State – General Fund		Not CPM	Individual Project Reports	PSM-4
1	Quality Assurance/Quality Control	PSC - 8.0	Participate in developing the PCP section of the QAMP.	PCP	State – General Fund		Not CPM	QA Quarterly Report	PSM-4
1	Data Management	PSC - 9.0	Conduct pesticide use surveys.	PCP	State – General Fund		Not CPM	Pesticide Use Survey Data	PSM-1, PSM-2, PSM-3, PSM-4, PSM-5
		PSC - 10.0	Track and assess use of identified specific pesticide groups (e.g. B2 carcinogens, GW leachers, estrogenic and reproductive toxins).	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-2, PSM-3, PSM-4
		PSC - 11.0	Complete design and implement PCP portion of enforcement module of DEP-wide integrated data management system (NJEMS).	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
2	Phase 2 = Strategic Planning								
2	Education & Outreach	PSC - 12.0	Implement Demonstration Project for IPM in schools.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
		PSC - 13.0	Establish minimum IPM criteria in all pest control sectors and coordinate distribution of teacher guides for school curriculum when available.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
2	Program Development	PSC - 14.0	Develop a program for tracking pesticide residues in NJ food in cooperation with NJDA.	PCP	State – General Fund		Not CPM	Other	PSM-2
2	Indicators	PSC - 15.0	Continue to develop and set priorities and subgoals.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	
		PSC - 16.0	Continue to develop quantitative milestones.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	
2		PSC - 17.0	Develop and improve indicators and benchmarks.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	
		PSC - 18.0	Continue Cross-Program coordination.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
2	Program Development	PSC - 19.0	Develop Pesticide-specific SMPs (PSMPs) for the SMP-requiring pesticides as per the PSMP Final Rule.	PCP	State - General Fund		Not CPM	NEPPS Annual Performance Report	PSM-4
2	External Workgroups	PSC - 20.0	Participate and include pesticides in the DEP Watershed Initiative.	PCP	State - General Fund		Not CPM	Other	PSM-4
3	Phase 3 = Strategy Implementation								
3	Rule Development	PSC - 21.0	Adopt and implement amendments to the Pesticide Control Code.	PCP	State - General Fund		Not CPM	Other	PSM-1
3	Program Implementation	PSC - 22.0	Continue training and education activities under the Worker Protection Program.	PCP	Federal - PPG	State - General Fund	Not CPM	NEPPS Annual Performance Report	PSM-3
		PSC - 23.0	Accumulate numbers of workers, handlers, and trainers trained under the National Testing Verification Program.	PCP	Federal - PPG	State - General Fund	CPM-National	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-3
3	Registrations	PSC - 24.0	Continue activities to maintain primacy as per New Jersey State Plan for the Certification of Private and Commercial Pesticide Applicators.	PCP	Federal - PPG	State - General Fund	CPM-National	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 25.0	Develop and upgrade training manuals and certification exams.	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
		PSC - 26.0	Monitor and assess recertification training courses.	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
		PSC - 27.0	Administer certification exams.	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
		PSC - 28.0	Issue licenses and maintain accurate records.	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
		PSC - 29.0	Redirect training activities in response to the regulated and public communities.	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
		PSC - 30.0	Upgrade training for Pesticide Operator/Applicator as per Pesticide Control	PCP	Federal - PPG	State - General Fund	Not CPM	Other	PSM-1
3	Compliance Evaluation	PSC - 31.0	Continue to perform timely and appropriate enforcement actions as per PCP response policy and Standard Operating Procedures (SOPs).	PCP	Federal - PPG	State - General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 32.0	Continue to respond to all complaints in accordance with the PCP response policy.	PCP	Federal - PPG	State - General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 33.0	Continue compliance activities to maintain primacy.	PCP	Federal - PPG	State - General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
		PSC - 34.0	Provide applicator compliance assistance.	PCP	Federal – PPG	State – General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 35.0	Provide Worker Protection Standard Compliance assistance - distribute fact sheets and educational aids.	PCP	Federal – PPG	State – General Fund	Not CPM	Annual Activity Status Report–Worker Protection, Ground Water, and Endangered Species	PSM-3
		PSC - 36.0	Continue to perform annual compliance inspections as listed in Compliance Assurance Table.	PCP	Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	PSM-1, PSM-3
		PSC - 37.0	Perform compliance inspections and farm/flea market surveys in accordance with the URPCEP initiative.	PCP	Federal – PPG	State – General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 38.0	Expand enforcement presence through County Environmental & Health Act (CEHA).	PCP	Federal – PPG	State – General Fund	Not CPM	Biannual & Quarterly Summary Reports for Certification, Training, and Enforcement (EPA Form 5700-33H)	PSM-1
		PSC - 39.0	Conduct activities under FIFRA Sections 26 and 27 by responding to EPA referrals.		Federal – PPG	State – General Fund	Not CPM	NEPPS Annual Performance Report	PSM-1
3	Permitting	PSC - 40.0	Review and issue aquatic pesticide permits as per NJAC 7:30-9.2.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-4
		PSC - 41.0	Review and issue mosquito/fly control permits as per NJAC 7:30-9.3.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-5
3	Registrations	PSC - 42.0	Continue activities to register beekeepers for notification by pesticide applicators.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
3	Registrations	PSC - 43.0	Continue activities to register all pesticide products used and/or manufactured in the state.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
		PSC - 44.0	Review pesticide product labels for compliance with FIFRA.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
		PSC - 45.0	Perform hazard assessment on all new pesticide active ingredients being initially registered in the state.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
		PSC - 46.0	Review FIFRA section 18 and 24c special pesticide registrations for use in the state.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
3	Education & Outreach	PSC - 47.0	Continue the Education and Outreach Program to the pesticide-user, applicators, growers, and public communities, including activities related to URPCEP.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1
3	Program Development	PSC - 48.0	Implement Demonstration Project for IPM in schools.	PCP	State – General Fund		Not CPM	NEPPS Annual Performance Report	PSM-1



POLLUTION AND RELEASE PREVENTION

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Regulatory Integration						
PRM - 1.0	Reduce releases to the environment and human health risk by utilizing pollution prevention strategies throughout the Department.	PRI - 1.0	Number of media program areas that have incorporated Pollution prevention language or commitments into the PPA.	Response	AHB	To be determined	Future Reporting
		PRI - 2.0	Changes in Energy usage and calculations of reductions in resulting emissions of NOx, CO2 and other pollutants	Response	AHB	To be determined	CPM-Negotiated
		PRI - 3.0	Number of single media program standard operating procedures (SOPs) that have incorporated pollution prevention.	Response	AHB	To be determined	Future Reporting
		PRI - 4.0	Number of Silver and Gold Track participants meeting their GHG emission reduction commitment.	Response	AHB	To be determined	Future Reporting
PRM - 2.0	By 2005 pollution prevention will be incorporated into rules promulgated and/or readopted by the Department.	PRI - 5.0	Number of rules promulgated and or readopted between 2001 and 2005 that have incorporated pollution prevention.	Response	AHB	To be determined	Future Reporting
PRM - 3.0	Enhance pollution prevention/multi-media considerations utilizing One Stop	PRI - 6.0	Number of One Stop projects incorporating pollution prevention and/or multi-media considerations into project design and operation.	Response	AHB	To be determined	Future Reporting
PRM - 4.0	Enhance pollution prevention/multi-media considerations utilizing Silver and Gold Track	PRI - 7.0	Number of pollution prevention/multi-media considerations encountered during the term of the covenant.	Response	AHB	To be determined	Future Reporting
PRM - 5.0	Enhance pollution prevention/multi-media considerations utilizing Small Business Assistance Program	PRI - 8.0	Number of small business assistance projects that incorporate pollution prevention and/or multi-media considerations in their operations.	Response	AHB	To be determined	Future Reporting
	Subgoal 2 = Pollution Prevention Planning						
PRM - 6.0	By 2005, through pollution prevention techniques, facilities covered under the Pollution Prevention Rules will reduce the quantity of toxic chemicals generated as nonproduct output (production-related waste) by 50% from 1993 levels.	PRI - 9.0	Changes in throughput/chemical use, nonproduct output and releases of hazardous substances on a statewide basis.	Cause	AHB	FACITS	CPM-Negotiated
		PRI - 10.0	Changes in throughput/chemical use, nonproduct output and releases of hazardous substances resulting from economic activity changes.	Cause	AHB	FACITS	CPM-Negotiated
		PRI - 11.0	Changes in throughput/chemical use, nonproduct output and releases of persistent, bioaccumulative, toxic (PBT) substances on a statewide basis.	Cause	AHB	FACITS	Future Reporting
		PRI - 12.0	Comparison of New Jersey pollution prevention trends to U.S. pollution prevention trends.	Cause	AHB	FACITS, TRI Explorer	CPM-Negotiated
PRM - 7.0	By 2005 facilities covered under the Pollution Prevention Rules will have an administratively complete Pollution Prevention Plan.	PRI - 13.0	Percentage of covered facilities with administratively complete Pollution Prevention Plans	Response	AHB	FACITS	Future Reporting

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		Subgoal 3 = Accidental Releases							
PRM -	8.0	By 2005, the number of accidental releases and discharges of regulated hazardous substances will be reduced by 65% as compared to the base year of 1993	PRI -	14.0	Number of accidental releases and discharges.	Response	LFF	FACITS	Future Reporting
		Subgoal 4 = Inventory & Release Data							
PRM -	9.0	By 2005, the processing time from data collection to data availability will be reduced to six months	PRI -	15.0	Actual data processing time	Response	LFE	FACITS	Future Reporting

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment									
1	Data Management	PRC -	1.0	Establish interdepartmental team to develop a computer-based multi-media release report to be housed in NJEMS.	AHB	State -- Other		CPM-Negotiated	Goal Area Environmental Progress Briefing	PRM -1.0
1	Data Management	PRC -	2.0	Make electronic reporting of the Pollution Prevention Plan Summary and Release and Pollution Prevention Report available by November 2001.	AHB	Federal -- EPA Other		Not CPM	Other	PRM - 6.0
1	Data Management	PRC -	3.0	Develop the public access component of the Pollution Prevention Plan Summary and Release and Pollution Prevention Report electronic reporting.	AHB	Federal -- EPA Other		Not CPM	Other	PRM - 1.0
1	Data Management	PRC -	4.0	Collect and post chemical inventory and environmental release data to NJDEP Web Site	LFE	State -- General Fund		Not CPM	Other	PRM-9.0
	Phase 2 = Strategic Planning									
2	Pollution Prevention	PRC -	5.0	Incorporate P2 into the review process for all permits and enforcement actions	AHB	State -- Other		Not CPM	Other	PRM -1.0
2		PRC -	6.0	Develop sector-based/partnership approach for implementation of pollution prevention.	AHB	State -- Other		Not CPM	Other	PRM -1.0
2	Pollution Prevention	PRC -	7.0	Conduct outreach/education on use of energy conservation/emission reduction protocol	AHB	State -- Other		Not CPM	Other	PRM -1.0
2	Pollution Prevention	PRC -	8.0	Follow Pollution Prevention Planning plan summary SOP	AHB	State -- Other		Not CPM	Other	PRM - 6.0
2	Pollution Prevention	PRC -	9.0	Conduct pollution prevention plan review site visits at a percentage of covered facilities as established in P2PC Workplan	AHB	State -- Other		Not CPM	Other	PRM - 7.0
2	Rule Development	PRC -	10.0	Participate on NJDEP rule writing teams	AHB	State -- Other		Not CPM	Other	PRM - 2.0
2	Program Development	PRC -	11.0	Track percentage of pollution prevention/multi-media opportunities and achievements incorporated into new major One Stop projects.	AHB	State -- Other		Not CPM	Other	PRM - 3.0

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Pollution Prevention	PRC - 12.0	Conduct education/outreach to encourage participation in Silver Track II and Gold Track.	AHB	State - Other		Not CPM	Other	PRM - 4.0
2	Pollution Prevention	PRC - 13.0	Manage a PBT project with Inform, Inc., to work with the New Jersey Department of Treasury to change product specifications to minimize the use of PBT containing products by State government agencies. This project is being funded under USEPA's Pollution Prevention Incentives to the States (PPIS) grant.	AHB	State - Other		Not CPM	Other	PRM - 1.0
2	Pollution Prevention	PRC - 14.0	Conduct P2 outreach to facilities identified on watershed basis and who participate on watershed team. Identify P2 guidance for specific pollutants of concern with respect to the identified industrial processes.	AHB	State - Other		Not CPM	Other	PRM -4.0
2	Program Development	PRC - 15.0	Conduct internal and external Silver and Gold Track outreach.	AHB	State - Other		Not CPM	Other	PRM - 4.0
2	Pollution Prevention	PRC - 16.0	Continue to work with USEPA on NEPT application review; conduct compliance screens; participate in site visits; and other activities as applicable.	AHB	State - Other		Not CPM	Other	PRM - 1.0
2	Program Development	PRC - 17.0	Include pollution prevention and multi-media considerations in Small Business Assistance Program compliance assistance activities.	AHB	State - Other		Not CPM	Other	PRM - 5.0
2	Pollution Prevention	PRC - 18.0	Work with the regional strategic planning team to develop indicators for pollution prevention.	EPO	Federal - EPA Other		Not CPM	Other	PRM - 1.0
2	Pollution Prevention	PRC - 19.0	Review and incorporate pollution prevention language into regional permit policies and guidance.	EPO	Federal - EPA Other		Not CPM	Other	PRM - 1.0
2	Pollution Prevention	PRC - 20.0	Hold multi-state roundtables	EPO	Federal - EPA Other		Not CPM	Other	PRM-1.0
2	Pollution Prevention	PRC - 21.0	Coordinate with NJDEP on activities to reduce ritualistic uses of mercury, including sharing information from EPA Ritualistic Mercury Taskforce.	EPO	Federal - EPA Other		Not CPM	Other	PRM - 1.0

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
2	Pollution Prevention	PRC - 22.0	Work with NJDEP to jointly recruit for the EPA NEPT Program and NJ Silver/Gold Track Program.	EPO	Federal – EPA Other		Not CPM	Other	PRM - 1.0
2	Pollution Prevention	PRC - 23.0	Develop joint EPA-NJDEP activities based on recommendations of the NJ Mercury Taskforce.	EPO	Federal – EPA Other		Not CPM	Other	PRM - 1.0
2	Pollution Prevention	PRC - 24.0	Kick off a joint EPA Region 2-NJDEP P2 workgroup for purposes of collaborating on p2 priorities, funding opportunities, and future joint activities such as a NJ Hospital Focus Group.	EPO	Federal – EPA Other		Not CPM	Other	PRM-1.0
Phase 3 = Strategy Implementaion									
3	Compliance Evaluation	PRC - 25.0	Continue to review and evaluate facility risk management programs at facilities that handle extraordinarily hazardous substances to prevent accidental releases .	LFE	State – General Fund	State – Other	Not CPM	Other	PRM-8.0
3	Compliance Evaluation	PRC - 26.0	Continue to review and evaluate facility discharge prevention plans at facilities that handle hazardous substances to prevent accidental releases.	LFF	State – General Fund		Not CPM	Other	PRM-8.0
3	Education & Outreach	PRC - 27.0	Conduct annual Chemical Right To Know workshops	LFE	State – Other		Not CPM	Other	PRM-9.0
3	Permitting	PRC - 28.0	Issue the remaining FWP, process FWP modifications and renewals. Incorporate pollution prevention into permits via modifications/renewals.	AHB	State – Other		Not CPM	Other	PRM - 1.0
3	Permitting	PRC - 29.0	Support NJDEP efforts under the FWP program via multi-media reviews and comments on draft FWPs/FWP modifications/FWP renewals as applicable, in a timely manner	EPO	Federal – EPA Other		Not CPM	Other	PRM - 1.0
Phase 4 = Strategy Evaluation									
4	Data Analysis & Reporting	PRC - 30.0	Summarize indicator results and make publicly available.	AHB	State – Other		CPM-Negotiated	NEPPS Annual Performance Report	PRM - 6.0

RADIATION PROTECTION

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data	Reporting
	Subgoal 1 = Global and Transboundary Risk						
RNM -	1.0 Prevent unnecessary exposure to patients, radiation workers and the public from nuclear medicine procedures.	RNI - 1.0	Development of new radioactive materials and new applications in the use of radioactive materials.	Cause	CBD		Other Committed
		RNI - 2.0	Lack of compliance with existing regulations, regulatory guidance documents and license conditions.	Condition	CBD		Other Committed
		RNI - 3.0	Inadequate oversight of licenses and inadequate inspection program by licensing agency.	Condition	CBD		Other Committed
		RNI - 4.0	The number of violations of the regulations and conditions of the license ultimately leading to misadministrations, contamination and uncontrolled radioactive materials and radioactive waste.	Response	CBD		Other Committed
RNM -	2.0 Reduce the number of incidents involving radioactive devices.	RNI - 5.0	Status and trends in the industrial uses of devices containing radioactive materials	Cause	CBD		Other Committed
		RNI - 6.0	Lack of regulatory oversight of these devices by regulating agencies and poor control and accountability of the devices by the licensees which leads to loss and improper disposal of the devices.	Condition	CBD		Other Committed
		RNI - 7.0	The number of devices containing radioactive material that either intentionally or unintentionally are disposed of improperly leading to unnecessary exposure to scrap metal workers and the public.	Response	CBD		Other Committed
RNM -	3.0 By 2005, 25% reduction in unnecessary exposure to workers from non-ionizing Radio Frequency (RF) radiation.	RNI - 8.0	Status and trends of manufacturing and other industrial sources of non-ionizing producing machines.	Cause	CBD		Other Committed
		RNI - 9.0	Status and trends of worker exposure to non-ionizing radiation during manufacturing.	Condition	CBD		Future Reporting
		RNI - 10.0	Number of worker injuries due to either misuse or improperly shielded non-ionizing radiation producing machines.	Response	CBD		Future Reporting
RNM -	4.0 By 2002, all locations where Type 1 & 2 New Jersey radioactive materials licenses are held will be mapped on GIS.	RNI - 11.0	Status and trends of NARM radioactive materials usage in NJ.	Cause	CBD		Other Committed
		RNI - 12.0	Emergency response activities may be required at larger facilities. Tie in with other DEP issued permits which may also be held by the facility.	Condition	CBD		Other Committed
		RNI - 13.0	Coordinated inspection process with other areas of the DEP	Response	CBD		Future Reporting
RNM -	5.0 By 2005, reduce patient radiation dose from mammography screening procedures by 10%.	RNI - 14.0	Average granular dose	Cause	CBA		Other Committed
		RNI - 15.0	Inspection data.	Condition	CBA		Other Committed
		RNI - 16.0	Inspection data.	Response	CBA		Other Committed
RNM -	6.0 By 2005, improve mammography image quality by 15%.	RNI - 17.0	Percent of acceptable phantom image	Cause	CBA		Other Committed
		RNI - 18.0	Inspection data.	Condition	CBA		Other Committed
		RNI - 19.0	Inspection data.	Response	CBA		Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data	Reporting
RNM - 7.0	By 2005, reduce patient's entrance skin exposure from diagnostic x-ray procedures by 10%.	RNI - 20.0	Statewide average of Entrance Skin Exposure for common procedures	Cause	CBA		Other Committed
		RNI - 21.0	Inspection data.	Condition	CBA		Other Committed
		RNI - 22.0	Inspection data.	Response	CBA		Other Committed
RNM - 8.0	By 2007, improve image quality by 15% for medical diagnostic x-ray procedures.	RNI - 23.0	Statewide average image quality index for common procedures	Cause	CBA		Other Committed
		RNI - 24.0	Inspection data.	Condition	CBA		Other Committed
		RNI - 25.0	Inspection data.	Response	CBA		Other Committed
RNM - 9.0	Maintain average license score of New Jersey program graduates above the national average score.	RNI - 26.0	NJ program graduates' mean score and passing percentage on national examinations	Cause	CBA		Other Committed
		RNI - 27.0	Test scores.	Condition	CBA		Other Committed
		RNI - 28.0	Test scores.	Response	CBA		Other Committed
RNM - 10.0	Reduce or control the airborne radiological emissions from nuclear power plants to below 10 millirem/year.	RNI - 29.0	Status and trend for man-made radionuclides discharged from two nuclear power plant sites.	Cause	CBB	Monthly reports	Other Committed
		RNI - 30.0	Bi-weekly analysis of air charcoals and particulate filters for specific gamma and gross beta	Condition	CBB	BNE Database	Other Committed
		RNI - 31.0	Quarterly analysis of particulate filters for strontium	Condition	CBB	BNE Database	Other Committed
		RNI - 32.0	Quarterly analysis of thermoluminescent dosimeters (TLDs) and real-time analysis of the Continuous Radiological Environmental Surveillance Telemetry (CREST) system for ambient gamma radiation.	Condition	CBB	BNE Database	Other Committed
		RNI - 33.0	Quarterly reports for samples collected near two nuclear power plant sites in NJ to meet USNRC 10CFR20 Appendix B requirements.	Response	CBB	BNE Database	Other Committed
RNM - 11.0	Reduce or control the number of unmonitored pathways for airborne radiological emissions to under 10% of annual reportable discharge.	RNI - 34.0	Status and trend for airborne discharge of radionuclides through Radiation Monitoring System (RMS) from two nuclear power plant sites in NJ.	Cause	CBB	Monthly reports	Other Committed
		RNI - 35.0	Conduct special inspections regarding the RMS inside the nuclear power plants. Track with environmental data.	Condition	CBB	Monthly reports	Other Committed
		RNI - 36.0	Annual report on radioactive effluent release data reported by two nuclear power plant sites to meet USNRC 10CFR20, Appendix B requirements	Condition	CBB	Monthly reports	Other Committed
		RNI - 37.0	Inspection reports in coordination with the USNRC	Response	CBB	Inspection reports	Other Committed
RNM - 12.0	Maintain and enhance aquatic life designated uses in assessed tidal waters.	RNI - 38.0	Status and trends of radioactive releases from two nuclear power plant sites (routine discharge monitoring, emergency discharge monitoring)	Cause	CBB	Monthly reports	Other Committed
		RNI - 39.0	Status and trends of tritium levels in surface water discharge at nuclear power plants private and public water supplies near nuclear power plants	Condition	CBB	BNE Database	Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data	Reporting
		RNI - 40.0	Status and trends of specific gamma in tidal sediments	Condition	CBB	BNE Database	Other Committed
		RNI - 41.0	Quarterly reports for samples collected near two nuclear power plant sites in NJ to meet USNRC 10CFR20, Appendix B requirements.	Response	CBB	BNE Database	Other Committed
RNM -	13.0 Analyze fish and shellfish tissue for radioactivity.	RNI - 42.0	Status and trends of bioaccumulative radioactivity in fish near two nuclear power plant sites.	Cause	CBB	BNE Database	Other Committed
		RNI - 43.0	Selected trends and concentrations of radioactivity in shellfish.	Condition	CBB	BNE Database	Other Committed
		RNI - 44.0	Seasonal reports for samples collected near two nuclear power plants sites in NJ	Response	CBB	BNE Database	Other Committed
RNM -	14.0 Identify and characterize radioactivity in ground water	RNI - 45.0	Status and trends of manmade radionuclides discharged from two nuclear power plants through routine sampling	Cause	CBB	Monthly reports	Other Committed
		RNI - 46.0	Status and trends of tritium releases from two nuclear power plant sites	Cause	CBB	BNE Database	Other Committed
		RNI - 47.0	See various indicators in the drinking water and ground water section under Water Quality/Quantity	Cause	CAA		Future Reporting
		RNI - 48.0	Quarterly report for samples collected near 2 nuclear power plant sites in NJ to meet USNRC 10CFR20, Appendix B requirements.	Response	CBB	BNE Database	Other Committed
			Subgoal 2 = Radon-Induced Lung				
RNM -	15.0 By 2005, 25% of the homes in NJ will have tested for radon.	RNI - 49.0	Any home can have a high level of radon	Cause	CBC	Radon Database	CPM-National
		RNI - 50.0	Number of homes $\geq 4\text{pCi/L}$, $\geq 50\text{pCi/L}$, $\geq 100\text{pCi/l}$ per county in NJ	Condition	CBC	Radon Database	CPM-National
		RNI - 51.0	Number of homes tested per year	Response	CBC	Radon Database	CPM-National
		RNI - 52.0	Number of homes tested vs. number of occupied, testable homes	Response	CBC	Radon Databases Census Housing Data	CPM-National
RNM -	16.0 By 2005, mitigate 35% of homes that have been tested and where a radon concentration of 4 pCi/L or more was found	RNI - 53.0	Number of homes that have been tested per year that have a radon concentration of 4pCi/L or greater	Cause	CBC	Radon Database	CPM-National
		RNI - 54.0	Average radon concentration in homes with indoor radon concentrations $\geq 4\text{pCi/L}$	Condition	CBC	Radon Database	CPM-National
		RNI - 55.0	Number of mitigations reported	Response	CBC	Radon Database	CPM-National
		RNI - 56.0	Number of mitigations as a percentage of the number of homes with concentrations greater than or equal to 4pCi/L	Response	CBC	Radon Database	CPM-National
		RNI - 57.0	Exposure reduction achieved by mitigation	Response	CBC	Radon Database	CPM-National
RNM -	17.0 By 2005, all NJ schools in Tier 1 will have tested for radon.	RNI - 58.0	Any school can have a high level of radon	Cause	CBC	Radon Database	CPM-National
		RNI - 59.0	Number of public schools in New Jersey	Condition	CBC	Dept. of Education	CPM-National
		RNI - 60.0	Number of public schools tested	Response	CBC	Radon Database	CPM-National
		RNI - 61.0	Number of public schools tested vs. total number of schools	Response	CBC	Radon Database Dept. of Education	CPM-National

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data	Reporting
RNM - 18.0	By 2005, all public schools in Tier 1 with radon concentrations greater than or equal to 4 pCi/L will be mitigated for radon. (CPM)	RNI - 62.0	Number of schools that have a radon level of 4pCi/L or more that require mitigation	Cause	CBC	Radon Database	CPM-National
		RNI - 63.0	Number of schools mitigated	Response	CBC	Radon Database	CPM-National
		RNI - 64.0	Number of schools mitigated vs. the number of schools with radon levels of 4pCi/L or more	Response	CBC	Radon Database	CPM-National
		RNI - 65.0	Average indoor radon concentration before and after mitigation	Response	CBC	Radon Database	CPM-National
		RNI - 66.0	Exposure reduction (total number of people)	Response	CBC	Radon Database	CPM-National

Safe and Healthy Communities

Activity Commitments

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
1	Phase 1 = Data Collection & Assessment								
1	Ambient & Facility Monitoring	RNC -	1.0 Operate and maintain the network for monitoring ambient levels of radiation located in the vicinity of New Jersey's nuclear power generating facilities.	CBB	State – Other	State – Other	Not CPM	Other	RNM-10
	Data Management	RNC -	2.0 Continue specific licensing of users of Naturally-Occurring and Accelerator Produced (NARM) materials as per N.J.A.C. 7:28.		State – Other		Not CPM	Other	RNM-1, 4
	Data Management	RNC -	3.0 Accrediting educational programs in radiologic technology and licensing radiologic technologists.	CBA	State – General Fund		Not CPM	Other	RNM-9
	Data Management	RNC -	4.0 NARM Radioactive Materials; Non-Ionizing; X-Ray Machine Sources; Mammography and Nuclear Power Plants	CBB	State – General Fund	Federal – Non-EPA	Not CPM	Other	RNM-1, 2, 5, 6, 7, 8, 11
	Data Management	RNC -	5.0 NARM Radioactive Materials; Non-Ionizing; X-Ray Machine Sources; Mammography and Nuclear Power Plants	CBB	State – General Fund	Federal – Non-EPA	Not CPM	Other	RNM-11
	Data Management	RNC -	6.0 By submission with the nuclear power plant.	CBB	State – Other		Not CPM	Other	RNM-11
	Data Management	RNC -	7.0 US NRC Specific Licenses; Radiofrequency heat sealers; X-ray Machine Sources	CBD	State – General Fund		Not CPM	Other	RNM-1, 7, 8
	Data Management	RNC -	8.0 Maintains RPP Web site; BNE Annual Emergency Planning Public Hearings	CBD	State – General Fund	State – Other	Not CPM	Other	RNM-WEB
	Data Management	RNC -	9.0 X-ray Machine Sources Guidance Documents; QA Guidelines; Open Meetings; Newsletters/Press Releases	CBA	State – General Fund	State – Other	Not CPM	Other	RNM-7, 8
	Data Management	RNC -	10.0 Machine Source; Non-Ionizing- monitor incidences of over exposures from medical uses of lasers and RF from FDA's <u>Medwatch</u> ; NARM radioactive materials.	CBD	State – General Fund	State – Other	Not CPM	Other	RNM-1, 4
	Data Management	RNC -	11.0 Evaluate compliance and enforcement database for feasibility of determining noncompliance rates for various components of N.J.A.C. 7:28 and the Radiation Protection Act.	CBD	State – General Fund		Not CPM	Other	RNM-1
	Data Management	RNC -	12.0 Perform programmatic QA; Develop QA standards for other facility types.	CBA	State – General Fund	Federal – Non-EPA	Not CPM	Other	RNM-7, 8
	Ambient & Facility Monitoring	RNC -	13.0 Continue operation, selection of sample sites and sampling of ambient ground water quality near two operating nuclear power plant sites	CBB	State – Other		Not CPM	Other	RNM-14
	Ambient & Facility Monitoring	RNC -	14.0 Continue monitoring in Delaware and Barnegat Bay from anthropogenic radioactive characteristics due to discharge from nuclear power plant operations	CBB	State – Other		Not CPM	Other	RNM-12

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
	Ambient & Facility Monitoring	RNC - 15.0	Continue to oversee the monitoring required (discharges to surface and ground water) due to the operations of the two nuclear power plant sites	CBB	State - Other		Not CPM	Other	RNM-11
2	Phase 2 = Strategic Planning								
	Rule Development	RNC - 16.0	Complete Comprehensive Radiation Rule Revision by 2000; Complete revision to N.J.A.C. 7:28-42 by 2000; Complete revisions to NJAC 7:15, 19, 24 and Vet rule by 2000.	CBD	State - General Fund		Not CPM	Other	RNM-1
	Program Development	RNC - 17.0	Continue to develop quantitative milestones/objectives; Develop new indicators and/or improve indicators; Assess feasibility of developed indicators with existing data.	CBD	State - General Fund	State - Other	Not CPM	Other	RNM-1
	Protocol Development	RNC - 18.0	Review general license concept; Consideration being given to either eliminating or revising general license to include registration.	CBD	State - General Fund		Not CPM	Other	RNM-1, 2
	Program Development	RNC - 19.0	Complete BRH database conversion. Begin Database Development for Radioactive Materials Section. Maintenance of database by DEP for the daily monitoring of the nuclear power plants operating in NJ.	CBA	State - General Fund	State - Other	Not CPM	Other	RNM-1, 4
	Program Development	RNC - 20.0	1400 samples collected annually around nuclear power plants.	CBB	State - Other		Not CPM	Other	RNM-10, 11, 12, 13, 14
	Program Development	RNC - 21.0	Nuclear Emergency Response Training. RAMRAT Training. Nuclear power plant inspection. System engineer and RMS training.	CBB	State - General Fund	State - Other	Not CPM	Other	RNM-2
	Protocol Development	RNC - 22.0	Revise SOPs for inspection program for both radioactive materials and nonionizing section. Radiological Emergency Response.	CBB	State - General Fund	State - Other	Not CPM	Other	RNM-1, 3
3	Phase 3 = Strategy Implementation								RNM-1, 3
	Compliance Evaluation	RNC - 23.0	Complete Comprehensive Revision	CBD	State - General Fund	State - General Fund	Not CPM	Other	RNM-1, 3
	Compliance Evaluation	RNC - 24.0	Nuclear Power Plant Inspections	CBB	State - Other	State - Other	Not CPM	Other	RNM-11
	Compliance Evaluation	RNC - 25.0	Two (2) annual nuclear power plant exercises. One graded by FEMA. Quarterly exercise with each site.	CBB	State - Other		Not CPM	Other	BD
	Compliance Evaluation	RNC - 26.0	Continue with established licensing program for NARM radioactive materials. X-ray Technologist.	CBA	State - General Fund		Not CPM	Other	RNM-1

Safe and Healthy Communities

Activity Commitments

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
	Education & Outreach	RNC - 27.0	Continue existing outreach activities and develop new initiatives. Participate in annual public hearings on emergency response. Hold stakeholders meetings.	CBD	State – General Fund	State – Other	Not CPM	Other	RNM-1
	Compliance Evaluation	RNC - 28.0	Continue with existing registration programs for USNRC licensees, X-ray machine sources and RF producing devices.	CBD	State – General Fund	State – Other	Not CPM	Other	RNM-1, 3
	Education & Outreach	RNC - 29.0	Annual revision of the NJ Radiological Emergency Response Plan.	CBB	State – Other		Not CPM	Other	
	Education & Outreach	RNC - 30.0	Manage staff training in order to strengthen the State's program capabilities. Nuclear Emergency Response training is offered according to established planning schedule. RAMRAT training.	CBB	State – Other	State – General Fund	Not CPM	Other	
	Planning	RNC - 31.0	Annual FEMA Evaluated Exercise	CBB	State – Other		Not CPM	Other	
	Data Analysis & Reporting	RNC - 32.0	Self-Assessment	CBD	State – General Fund	State – Other	Not CPM	Other	
	Data Analysis & Reporting	RNC - 33.0	Self-Assessment	CBB	State – Other		Not CPM	Other	RNM-11
1	Data Management	RNC - 34.0	Maintain radon testing and mitigation database. After five years, site location data is purged per statute.	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
1	Data Management (cont)	RNC - 35.0	Maintain certification database	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
1	Data Management (cont)	RNC - 36.0	Transfer of certification database to Oracle and continue development/enhancement	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
1	Data Management (cont)	RNC - 37.0	Update Tier Map	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16
2	NEPPS	RNC - 38.0	Continue to develop quantitative milestones. Complete SIRG projects	CBD	Federal – PPG	State – PPG Match	CPM-National	NEPPS Annual Performance Report	RNM-15, 16, 17, 18
2	Develop SIRG Projects to Reflect Milestones	RNC - 39.0	Finalize SIRG project proposals	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
2	Rule Development	RNC - 40.0	Prepare and distribute guidance in support of NJ school testing requirement	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-17, 18
2	Rule Development	RNC - 41.0	Revise the regulations for "Certification of Testers and Mitigators"	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Certification	RNC - 42.0	Certify radon testers and mitigators	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Radon Information Line	RNC - 43.0	Continue to operate toll-free information line	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach	RNC - 44.0	Continue to participate in seminars, conventions, meetings	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
3	Public Outreach (cont)	RNC - 45.0	Recruit new communities for Community Outreach Program and continue to work with current participants	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach (cont)	RNC - 46.0	Engage in cooperative radon outreach efforts with other private and public entities such as utilities and health oriented societies	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach (cont)	RNC - 47.0	Maintain Radon Page on the World Wide Web weekly	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach (cont)	RNC - 48.0	Continue to address discoveries of localized areas of high radon concentrations (clusters)	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach (cont)	RNC - 49.0	Continue outreach to builders and school teachers/students	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Public Outreach (cont)	RNC - 50.0	Continue outreach to real estate professionals and construction code officials with an emphasis on the need to test newly constructed homes	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Ensure Quality Radon Measurement and Mitigation Services	RNC - 51.0	Provide training to school officials	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-17, 18
3	Ensure Quality Radon Measurement and Mitigation Services	RNC - 52.0	Provide training to radon testers and mitigators through ERRTC	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Ensure Quality Radon Measurement and Mitigation Services (cont)	RNC - 53.0	Conduct Radon Certification Examinations	CBD	State – General Fund		CPM-National	Other	RNM-15, 16, 17, 18
3	Ensure Quality Radon Measurement and Mitigation Services (cont)	RNC - 54.0	Conduct inspections	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Conduct Studies on Reducing Radon Risks (cont)	RNC - 55.0	Plan and prepare for the radon in air portion of a future multimedia mitigation program in NJ	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Data Collection	RNC - 56.0	Track new construction starts under the Radon Hazard Subcode	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
3	Data Collection (cnnt)	RNC - 57.0	Collect and evaluate radon testing and mitigation data; reassess indicators when necessary	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18
4	Phase 4 = Strategy Evaluation								
4	Environmental Results/Indicators	RNC - 58.0	Use indicators to refine/retarget priorities	CBD	Federal – PPG	State – PPG Match	CPM-National	Other	RNM-15, 16, 17, 18

MERCURY

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Environmental Media						
HGM - 1.0	Identify, and prevent increases or reduce emissions of mercury to air from point sources.	HGI - 1.0	Mercury loadings in NJ air due to global and regional contribution.	Cause	FLD		Future Reporting
HGM - 1.0		HGI - 2.0	Status and trends of mercury emissions to air from NJ point sources (e.g., incinerators).	Cause	RCI	Stack Tests, Project Reports, BPR Reports, etc.	Other Committed
HGM - 1.0		HGI - 3.0	Mercury levels in ambient air.	Condition	RCI	BAM, Rutgers Literature Review	Other Committed
HGM - 1.0		HGI - 4.0	Mercury levels in wet and dry air deposition.	Condition	RCI	NJADN	Other Committed
HGM - 1.0		HGI - 5.0	Mercury emission reductions due to source reduction from pollution prevention strategies.	Response	AHB		Future Reporting
HGM - 1.0		HGI - 6.0	Mercury emission reductions due to battery recycling.	Response	SHE		Future Reporting
HGM - 1.0		HGI - 7.0	Reduction of mercury emissions to air resulting from implementation of NJAC 7:27-27.	Response	FLC	Mercury Task Force Report	Other Committed
HGM - 2.0	Reduce mercury contamination of aquifers.	HGI - 8.0	Loads of mercury released from nonpoint sources (e.g. septic tanks).	Cause	RCI		Future Reporting
HGM - 2.0		HGI - 9.0	Mercury levels in ambient ground water.	Condition	RCI	Ambient Ground Water Quality Monitoring Network	Other Committed
HGM - 2.0		HGI - 10.0	Mercury levels in monitoring wells tapping susceptible aquifers downgradient from point and nonpoint sources.	Condition	HAA	SRP Project Files	Other Committed
HGM - 2.0		HGI - 11.0	Drinking water contaminated with elevated mercury levels as measured in finished drinking water.	Condition	BCC		Other Committed
HGM - 3.0	Assess point and nonpoint source loadings of mercury to surface waters and sediments.	HGI - 12.0	Status and trends of mercury loadings emitted to surface waters from NJ point sources (e.g., municipal and hazardous waste landfills, industrial wastes, etc.).	Cause	FDC		Future Reporting
HGM - 3.0		HGI - 13.0	Mercury levels in surface waters as measured at sampling points in the ambient stream monitoring network.	Condition	RDE	Storet, Legacy Storet, NWIS, 305b Report	Other Committed
HGM - 3.0		HGI - 14.0	Status of concentrations of mercury in assessed non-tidal sediments and extent of assessment.	Cause	RCE	Storet, Legacy Storet, NWIS	Other Committed
HGM - 3.0		HGI - 15.0	Number of water systems with mercury exceedances.	Response	BCC		Other Committed
HGM - 4.0	Assess soil mercury levels.	HGI - 16.0	Loads of mercury deposited to soils from atmospheric deposition.	Cause	RCI	NJADN	Other Committed
HGM - 4.0		HGI - 17.0	Loads of mercury deposited to soils from direct land application of mercury-containing materials.	Cause	RCI	BPR Sludge Data & Application	Other Committed

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
		Subgoal 2 = Biological Media							
HGM -	5.0	Reduce human exposure to mercury.	HGI -	18.0	Consumption of commercial and non-commercial (and freshwater, coastal and marine) fish with elevated mercury levels.	Cause	RCI		Future Reporting
HGM -	5.0		HGI -	19.0	Blood- and hair-mercury levels in humans, especially in the pregnant population.	Condition	RCI	Project Reports	Other Committed
HGM -	6.0	Reduce mercury levels in freshwater and marine fish found in NJ surface waters.	HGI -	20.0	Characterize mercury trends in aquatic biota using species showing short-term response.	Cause	RCE		Other Committed
HGM -	6.0		HGI -	21.0	Mercury concentrations and profiles in fish species from NJ surface waters (including coastal).	Condition	RCE		Other Committed
HGM -	6.0		HGI -	22.0	Mercury concentrations and profiles in fish species from NJ marine waters	Condition	RCE		Future Reporting
HGM -	6.0		HGI -	23.0	Percent of NJ surface waters (including coastal) whose fish have been characterized for mercury concentrations.	Response	RCI		Other Committed
HGM -	6.0		HGI -	24.0	Percent of NJ fish species (including coastal) that have been monitored for mercury.	Response	RCI		Future Reporting

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment								
1	Ambient & Facility Monitoring	HGC - 1.0	Ambient surface water monitoring (see water commitment table).	RDG	State – General Fund		Not CPM	NEPPS Annual Performance Report	HgM3
1	Ambient & Facility Monitoring	2.0	Ambient ground water monitoring (see water commitment table).	RCQ	State – General Fund		Not CPM	NEPPS Annual Performance Report	HgM2
1	Ambient & Facility Monitoring	3.0	Establishing New Jersey's Atmospheric Deposition Network (<i>described under AIR QUALITY, Air Deposition Project</i>).	RCI	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	HgM1, 2, 3, 4
1	Ambient & Facility Monitoring	4.0	Mercury Concentrations in Fish, Surface Water, Sediments and Aquatic Vegetation from Selected Water bodies in NJ.	RCE	State – General Fund		Not CPM	Other	HgM3, 6
1	Ambient & Facility Monitoring	5.0	Implement scrap aluminum processor stack testing and outreach project.	RCE	Federal – PPG		Not CPM	Other	HgM1
1	Ambient & Facility Monitoring	6.0	Conduct analysis needed to assess status and trends for conditions indicators.	RCE	State – General Fund		Not CPM	Environmental Indicators Technical Report	HgM1, 2, 3, 4, 5, 6
1	Research	7.0	Evaluate feasibility of assessing loadings of mercury to surface waters and sediments.	RCE	State – General Fund		Not CPM	Other	HgM3
1	Ambient & Facility Monitoring	8.0	Work with Mercury Task Force to refine mercury source inventory.	RCI	State – General Fund		Not CPM	Other	HgM1
1	External Workgroups	9.0	Work with Task Force to develop Mercury Reduction Plan for New Jersey.	RCA	State – General Fund		Not CPM	Other	HgM1, 2, 3, 4, 5, 6
1	External Workgroups	10.0	Facilitate completion of Task Force Report.	RCA	State – General Fund		Not CPM	Other	HgM1, 2, 3, 4, 5, 6
1	Research	11.0	Review and update mercury human health risk assessment based on emerging scientific data in order to revise fish consumption advisories as appropriate.	RCA	State – General Fund		Not CPM	Other	HgM5
	Phase 2 = Strategic Planning								
2	External Workgroups	12.0	Serve as an advocate for the Task Force recommendations at the national level.	EPA					
2	External Workgroups	13.0	Incorporate into the PPA those Task Force recommendations that are accepted by the Commissioner.	RCA	State – General Fund		Not CPM	NEPPS Annual Performance Report	HgM1, 2, 3, 4, 5, 6
2	Rule Development	14.0	Maintain/develop/adopt, as appropriate, comprehensive rules packages pertaining to mercury in sludge, watershed permitting, pretreatment, discharges and enforcement.	FDA	State – General Fund		Not CPM	Other	HgM3
2	Program Development	15.0	Develop and implement an interstate reciprocity system for innovative technology and regulatory acceptance.	RCB	State – General Fund		Not CPM	Other	HgM1, 3

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source	Funding Source	Reporting Type	Where Progress or Completion	M/O # (s) Supported
2	Program Development	16.0	Work with EPA Region 5 and EPA's OPPTS regarding environmental pollution associated with mercury switches in automobiles.	EPA					
	Phase 3 = Strategic Implementation								
3	PPA Preparation & Maintenance	17.0	Develop PPA.	FLD	State – General Fund		Not CPM	NEPPS Annual Performance Report	HgM1, 2, 3, 4, 5, 6
3	Program Implementation	18.0	Continue to implement ground water criteria for mercury and evaluate need for revision.	RDF	State – General Fund		Not CPM	Other	HgM2

OPEN AND EFFECTIVE GOVERNMENT

OPEN AND EFFECTIVE GOVERNMENT

Introduction

Goal: The Department will fulfill its mission and achieve its vision and goals through the involvement of citizens and stakeholders as critical partners and through its ongoing commitment to quality principles and methods as a means to achieve continuous improvement in its operations.

Key Issues For Open And Effective Government

To achieve its vision, mission and goals, the Department must continuously evaluate, adapt and improve its operations, including its delivery of services, its business processes and systems, and its responsiveness to constituents. Using the Malcolm Baldrige National Quality Award criteria, which are accepted as a national standard for defining a quality organization, the Department examined its operations in seven categories to identify areas of success and opportunities for improvement. The key attributes of each category, as outlined below, are the areas in which the Department will continue to focus its efforts over the next three years.

- A. **LEADERSHIP:** A key role of DEP's management is not only to set clear directions for the organization, but also to foster a culture that seeks to maximize DEP's performance by establishing and/or strengthening partnerships.
- B. **STRATEGIC PLANNING:** To be effective, DEP must translate the strategic direction into a clear action plan for deploying and aligning its human, capital and fiscal resources.
- C. **CONSTITUENT FOCUS:** To be an effective organization, it is important for DEP to understand the needs of its constituents and recognize that DEP's frontline employees are key to successful constituent partnerships.
- D. **INFORMATION AND ANALYSIS:** The information/data that DEP collects must be carefully selected, managed and used in an integrated fashion to help DEP achieve its goals, support its operations and report its results.
- E. **HUMAN RESOURCE FOCUS:** Through education and training, DEP will provide its diverse workforce with the knowledge and skills that it needs to foster professional growth, and thus, help achieve success.
- F. **PROCESS MANAGEMENT:** It is important for DEP to continuously evaluate its processes and continuously improve how its day-to-day work is carried out.

G. OPERATIONAL RESULTS: To properly manage DEP, it is necessary to measure the environmental and operational results that are being achieved. ("What gets measured gets done.")

In support of the Open and Effective Government Goal, the Management Team serves as the organization's Quality Council, and the Core Team serves as the Quality Advisory Board to the Management Team. The Core Team also functions as DEP's "Summit Group" relative to the Open and Effective Government Goal. In line with that, it is responsible for developing and coordinating the Department's Action Plan for Open and Effective Government. It is also responsible for identifying annual focus areas for Open and Effective Government, as well as the development of that section of the NEPPS/PPA.

Environmental Equity

For over three years, the NJDEP has had an aggressive program in place to advance the issue of environmental equity or environmental justice. A stakeholder process was first convened in May, 1998 through the establishment of an Environmental Equity Task Force. The Task Force was upgraded in status to a formal NJDEP Advisory Council on October 22, 1998 through issuance of Administrative Order 1998-15. Through this action, the Advisory Council was given permanent status as a source of advice and counsel to the Department in recognition of state and national concerns that minority and low-income populations may be experiencing a greater impact from pollution than other communities. The Council completed a policy statement on environmental equity which was memorialized through Administrative Order 2000-01 on January 25, 2000. This AO serves as internal guidance to DEP management and staff concerning EE objectives and the implementation of strategies that the Department will undertake to incorporate EE considerations into its environmental decision-making. The Council has since reached consensus with the Department on development of a process to formally incorporate EE considerations within the DEP permit review procedures. This process also achieves expanded community outreach opportunities for local citizens and groups concerned with project development or expansion within their neighborhoods. The Department's plan is to codify this process through formal environmental equity rules which will be adopted through the New Jersey Administrative Procedures Act process. Once these rules, and an accompanying Guidance Document, are in place, DEP employees and managers will formally consider EE issues within the agency's standard environmental decision-making process for permitting. Commitments toward completion of the rules and Guidance Document are contained within the PPA Activity Commitment schedule of this document.

Open and Effective Government

Goal: The Department will fulfill its mission & achieve its vision and goals through the involvement of citizens & stakeholders as critical partners & through its ongoing commitment to quality principles & methods as a means to continuous improvement of its operations.

Subgoals:

1. **Leadership:** A key role of the Department's management is not only to set clear directions for the organization but also to foster a culture that seeks to maximize DEP's performance by establishing and/or strengthening partnerships.
2. **Strategic Planning:** To be effective, DEP must translate the strategic direction into a clear action plan for deploying & aligning its human, capital & fiscal resources.
3. **Constituent Focus:** To be an effective organization, it is important for DEP to understand the needs of its constituents & recognize that DEP's front-line employees are key to successful constituent partnerships.
4. **Information & Analysis:** The information/data that DEP collects must be carefully selected, managed & used in an integrated fashion to help DEP achieve its goals, support its operations & report its results.
5. **Human Resources:** Through education & training, DEP will provide its diverse workforce with the knowledge & skills that it needs to foster professional growth & thus help achieve success.
6. **Process Management:** It is important for DEP to continuously evaluate its processes & continuously improve how its day-to-day work is carried out.
7. **Organizational Results:** To properly manage DEP, it is necessary to measure the environmental & operational results that are being achieved ("What gets measured gets done.").

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
	Subgoal 1 = Leadership						
OGM - 1.0	Develop performance indicators for assessing leadership effectiveness.				AJA		Other Committed
OGM - 2.0	Ensure Environmental Equity (EE) in New Jersey. That is, the fair and equitable treatment in environmental decision-making of the citizens of all New Jersey communities regardless of race, color, income or national origin, and the assurance that no population will bear disproportionate amounts of adverse health and environmental effects.				AAA		Other Committed
OGM - 3.0	Develop comprehensive Communication Plan for DEP (both internal and external strategies).				AAA		Other Committed
	Subgoal 2 = Strategic Planning						
OGM - 4.0	Finalize the next three-year PPA and fully integrate it with the strategic plan.				ABA		Other Committed
	Subgoal 3 = Constituent Focus						
OGM - 5.0	It is DEP's goal to improve constituent satisfaction through its constituent service program.				AJA		Other Committed
OGM - 6.0	Develop a strategy and plan to evaluate the knowledge of the citizenry about the Department's role in protecting the environment and about the Department's ability to protect the environment.				RCA		Other Committed
OGM - 7.0	Develop and implement a procedure whereby EPA will provide advance notification to DEP before releasing NJ environmental data to the public				ABA		Other Committed
	Subgoal 4 = Information & Analysis						
OGM - 8.0	Complete the development of the integrated NJEMS/GIS system, and assess and facilitate the use of the environmental management framework to advance strategic goals.				AQA		Other Committed

M/O #	Milestone/Objective Description	Indic #	Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
OGM - 9.0	Design a database to support NEPPS/PPA and ensure an indicators link				DEP		
OGM - 9.1	Develop a database to support NEPPS/PPA and ensure a link to indicators reporting.				AQA		Other Committed
OGM - 10.0	Incorporate the Rutgers Environmental Digital Library with DEP's ENDEX system.				RCA		Other Committed
	Subgoal 5 = Human Resources						
OGM - 11.0	Implement activities to enhance DEP's health/safety program.				AJD		Other Committed
OGM - 12.0	Develop a long-term master plan for workforce development.				KAA		Other Committed
	Subgoal 6 = Process Management						
OGM - 13.0	Track, recognize and share successful process improvements throughout DEP, and benchmark information from other public and private sector organizations.				AJA		Other Committed
OGM - 14.0	Develop consistent Department-wide process management measures for key processes including cycle time reduction, constituent feedback, performance levels for partners, incentives for enhanced environmental and operational performance, cost reduction, and resource allocation.				AJA		Other Committed
OGM - 15.0	Evaluate products of the NJ Comparative Risk Project for their value in confirming or revising existing departmental and/or program priorities for identifying and integrating new and or/revised NEPPS objectives, milestones and indicators into the PPA.				RCA		Other Committed
	Subgoal 7 = Organizational Results						
OGM - 16.0	Develop a performance measurement system for internal operations (i.e., measure, track and improve performance).				AJA		Other Committed

M/O #		Milestone/Objective Description	Indic #		Indicator Description	Indicator Type	Lead Org	Data Source(s)	Reporting Type
OGM -	17.0	Assess the effectiveness of initiatives designed to improve DEP's internal business operations and quality of work life.					AJA		Other Committed

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Phase 1 = Data Collection & Assessment								
1	Research	OGC - 1.0	Conduct research on core competencies for leadership effectiveness.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 1
3	Planning	OGC - 2.0	Institute process for collecting and analyzing information from leadership effectiveness feedback forms.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH1
	Phase 2 = Strategic Planning								
2	Program Development	OGC - 3.0	Develop and implement pilot approach on core leadership competencies for managers.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 1
	Phase 3 = Strategy Implementation								
3	Program Implementation	OGC - 4.0	Incorporate final set of core leadership competencies in PAR's for managers.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 1
3	Program Implementation	OGC - 5.1	NJDEP will work with the New Jersey Environmental Equity Advisory Council to develop and propose rules to formally incorporate environmental equity principles and an expanded community outreach process within the standard operating procedures for environmental permitting. Rules will be proposed in the New Jersey Register by the end of the calendar year 2001 provided the state of the law is sufficiently certain to proceed.	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 2
3	Planning	OGC - 5.2	An "Environmental Equity Guidance Document" will be prepared in consultation with the New Jersey Environmental Equity Advisory Council to supplement the formal rules being prepared to institutionalize environmental equity principles within the Department's permitting process. The Guidance Document will be completed prior to adoption of New Jersey's Environmental Equity Rules.	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 2
3	Planning	OGC - 6.0	Form a cross-functional communication plan steering committee to formulate a fundamental framework and recommendations.	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 3

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Planning	OGC - 7.0	Establish two additional work groups (under the committee) to focus on internal communication strategies and external strategies.	AAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 3
3	PPA Preparation & Maintenance	OGC - 8.0	Meet with EPA to discuss partnering opportunities on open and effective government.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	PPA Preparation & Maintenance	OGC - 9.0	Develop NEPPS/PPA details related to open and effective government goal.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	Planning	OGC - 10.0	Establish a process for exchanging planning information with EPA.	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	Planning	OGC - 11.0	Develop commitment with EPA to keep one another informed and a part of mutual strategic planning processes, priorities and focus areas.	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	Planning	OGC - 12.0	Find opportunities to work together with EPA in the review and analysis of long term plans from other government agencies (e.g., plans impacting growth and development - roadways, housing, etc.).	RCA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	PPA Preparation & Maintenance	OGC - 13.0	Ensure indicators-related stakeholder participation event, to occur in 2002	ABA	Federal - PPG	State - General Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	
3	PPA Preparation & Maintenance	OGC - 13.1	Ensure stakeholder input into the development phase of subsequent PPA.	ABA	State - General Fund	State - General Fund	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 4
3	Planning	OGC - 14.0	Continue to develop and support employee education initiatives designed to clarify and reinforce constituent service definitions and standards.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
1	Research	OGC - 15.0	DEP will take proactive steps to identify critical needs of key constituent groups and devise methods and approaches for collecting data and information relative to constituent satisfaction. The department will aggregate and analyze that information for potential improvement opportunities and problem-prevention strategies as appropriate.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
1	Research	OGC - 16.0	Collect and analyze information on constituent service activities throughout DEP, and benchmark information from other public/private sector organizations.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Program Implementation	OGC - 17.0	Facilitate, support and recognize constituent service improvements.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Planning	OGC - 18.0	Form a work group through CS Team to develop new employee education initiatives.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Planning	OGC - 19.0	Propose five new employee education initiatives for discussion with Core Team.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
1	Research	OGC - 20.0	Form a work group through CS Team to research and present exemplary models of success from other organizations.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Program Implementation	OGC - 21.0	Periodically host brown bag lunches to present information on best practices, and post information on the CS Team website.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Program Implementation	OGC - 22.0	Exchange information with EPA on best practices -- constituent service approaches in both federal and state government (constituent satisfaction measurement instruments, training opportunities, recognition practices, etc.).	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Program Implementation	OGC - 23.0	Administer and schedule CS Models of Success recognition events.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
3	Program Implementation	OGC - 24.0	Publish information on models of success on CS Team website.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 5
1	Research	OGC - 25.0	Form a work group to develop a plan that seeks to gauge the public's knowledge of the Department and its effectiveness.	RCA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 6
2	Protocol Development	OGC - 26.0	In support of the goal to enhance DEP's partnership with EPA, the DEP NEPPS Steering Committee will coordinate the development of a procedure, in conjunction with appropriate EPA staff, that will provide for advance notification to DEP before EPA releases NJ environmental data to the public.	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 7
1	Data Management	OGC - 27.0	Complete NJEMS - Site Remediation.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 28.0	Complete NJEMS - Water Supply.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
	Data Management	OGC - 29.0	Complete NJEMS - Exams and Licensing.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 30.0	Complete NJEMS - Lab Certification.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 31.0	Complete NJEMS - Land Use Permitting	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 32.0	Complete NJEMS - Land Use Enforcement.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 33.0	Complete NJEMS - Release Prevention Enforcement.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 34.0	Complete NJEMS - Solid Waste Enforcement.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 35.0	Complete NJEMS - Hazardous/Solid Waste Permitting.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 36.0	Complete infrastructure upgrade.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 37.0	Complete SANS implementation.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 38.0	Complete migration to Windows 2000.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 39.0	Complete intranet monitoring installation.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 40.0	Upgrade Help Desk system to web-based application.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 41.0	Install Spectrum network monitoring software.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 42.0	Purchase and install e-mail monitoring software.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 43.0	Implement network faxing.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 44.0	Implement video conferencing.	AQA	State - General Fund	State - Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 8
1	Data Management	OGC - 45.0	Implement stock room web application.	AQA	State - General Fund	State - Other		Goal Area Strategic Quarterly Progress Report	OGH 8
3	PPA Preparation & Maintenance	OGC - 46.0	Conduct design sessions for PPA Excel Spreadsheet structure.	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9
3	PPA Preparation & Maintenance	OGC - 47.0	Finalize PPA spreadsheet development. (Note: Dependent on funding availability.)	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9
3	PPA Preparation & Maintenance	OGC - 48.0	Populate database for PPA spreadsheet.	ABA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9
1	Data Management	OGC - 49.0	Pursue the development of an electronic DMR's application.	AQA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9
1	Data Management	OGC - 50.0	Implement the ECOS National Data Exchange Network and pursue the development of XML data exchange protocols for the federal NPDES, AIRS, PCS and RCRAInfo databases.	AQA	Federal - PPG	Federal - EPA Other	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9
1	Data Management	OGC - 51.0	Maintain and enhance the NJEMS data management system to provide accurate and timely information on DEP programs to all internal and external constituents.	AQA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 9

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	W/O # (s) Supported
1	Data Management	OGC - 52.0	Continue working with Rutgers to enhance the benefits of ENDEX related to the digital library.	RCA	State – General Fund	Federal – PPG	Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 10
3	Planning	OGC - 53.0	Continue working with the Bureau of Technical Services - safety protocols for auditing stack testers.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
3	Planning	OGC - 54.0	Assist in finalizing SOP's for safe work practices related to confined space entry/work.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
3	Planning	OGC - 55.0	Continue working with Marine Fisheries to improve work practices related to fish kill investigations.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
3	Planning	OGC - 56.0	Continue working with Forest Fire Services on personal protection equipment (and replacement) issues.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Staff Training & Development	OGC - 57.0	Develop a master Training Plan for Health and Safety; administer the training funds; and conduct in-house training for programs.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Planning	OGC - 58.0	Develop a Work Plan for the Health and Safety Office.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Planning	OGC - 59.0	Develop new set of management tools for Health and Safety Office (e.g., new activity codes for CATS, "constituent satisfaction tools, and complete development and integration of the unit's database program).	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
3	Program Implementation	OGC - 60.0	Continue monitoring and evaluating the performance of the new medical surveillance contractor.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Staff Training & Development	OGC - 61.0	Continue evaluating health and safety training courses.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
3	Program Implementation	OGC - 62.0	Continue conducting quality surveys on a random basis after medical surveillance exams.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Staff Training & Development	OGC - 63.0	Continue providing the annual refresher course on Hazardous Materials Handling.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Program Development	OGC - 64.0	Develop and implement a new approach for investigating future accidents.	AJD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 11
2	Staff Training & Development	OGC - 65.0	Schedule work group to develop and deploy a comprehensive and inclusive approach for developing a long-term workforce plan that is directly linked to the Department's strategic/PPA goals.	KAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 66.0	Develop uniform procedures for Directors/Administrators to determine core skills (e.g., computer literacy for higher levels of PC training).	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 67.0	Train 900 supervisors and 2,400 employees on harassment/discrimination.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 68.0	Identify cross-training opportunities.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
2	Program Development	OGC - 69.0	Develop a professional development (exchange) program with EPA with an aim towards process improvement.	CAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 70.0	Identify shared training opportunities between DEP and EPA: constituent service, process management, leadership, data management, etc.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 71.0	Explore opportunities for developing a guest lecturer series with EPA and for leveraging video conferencing capabilities.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
3	Program Implementation	OGC - 72.0	Develop a systematic approach for evaluating the effectiveness of training initiatives.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Planning	OGC - 73.0	Develop a process for analyzing evaluation data from diversity training classes.	AAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Planning	OGC - 74.0	Develop a department-wide mentoring program to support succession planning and diversity in management positions; and explore the use of new hiring criteria in filling management positions.	AAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Planning	OGC - 75.0	Explore the development of a department policy statement on the value of diversity in the workplace.	AAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Program Development	OGC - 76.0	Develop and implement a professional development/exchange program with EPA with an aim towards process improvement.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 77.0	Identify shared training opportunities between DEP and EPA: constituent service, process management, leadership, data management, etc.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
2	Staff Training & Development	OGC - 78.0	Explore opportunities for developing a guest lecturer series with EPA and for leveraging video conferencing capabilities.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
3	Program Implementation	OGC - 79.0	Pilot the Personal Explorer Program, including a series of three workshops with a follow-up mentoring program for those participants who complete a personal development plan.	CAA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
1	Research	OGC - 80.0	Inventory all significant process improvements throughout the organization.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 13
2	Planning	OGC - 81.0	Define what "process management" means at DEP.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 14
2	Program Development	OGC - 82.0	Develop a framework that will help managers ask the right questions about process management (process effectiveness and efficiency).	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 14
1	Research	OGC - 83.0	Identify "models of success" (internal) relative to process management.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 13
1	Research	OGC - 84.0	Research best practices (external) and share information with DEP managers.	AJA	State - General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 13

Phase #	Activity Category	C'tment #	Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion is Documented	M/O # (s) Supported
3	Program Implementation	OGC - 85.0	Identify resources and tools (internal and external) that will support process management at DEP.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 14
3	Program Implementation	OGC - 86.0	Identify potential measures of process management effectiveness.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 16
2	Staff Training & Development	OGC - 87.0	Identify training needs on process management related topics.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 12
3	Program Implementation	OGC - 88.0	Identify opportunities for improving DEP's approach to process management.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 14
3	Permitting	OGC - 89.0	Maintain a fair and accurate fee management and cost recovery process to support all DEP permit programs.	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 16
2	Planning	OGC - 90.0	Work in partnership with EPA to develop improvements to the process of awarding and managing the Performance Partnership Grant (PPG) and other grants, including: expediting the reporting process at EPA and DEP; making certain that Management Assistance Review recommendations are addressed; and exploring the use of EPA's electronic grants system.	JBD	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Planning	OGC - 91.0	Develop a process for reviewing and addressing those issues deemed critical from the Management Assistance Review.	ABA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Program Development	OGC - 92.0	Work in partnership with EPA to develop an "alternate dispute resolution" process for those instances when both departments may not be able to reach consensus on key issues.	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Planning	OGC - 93.0	Discuss and define "how" DEP and EPA will work together throughout the PPA (develop higher level process and partnership protocols).	AAA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Planning	OGC - 94.0	Identify relevant suite of performance indicators for each category of open and effective government.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 16
2	Planning	OGC - 95.0	Identify appropriate set of measures for each performance indicator.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 16
1	Research	OGC - 96.0	Collect and analyze baseline data relative to complete set of performance indicators.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 16
3	Program Implementation	OGC - 97.0	Work with EPA to ensure its continued participation with and support of the NJ Center for Environmental Indicators.	ABA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Planning	OGC - 98.0	Work with EPA to secure benchmark information on indicators in use by EPA and other states.	ABA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
3	Program Implementation	OGC - 99.0	Develop and deploy an organization-wide approach for evaluating the effectiveness of key initiatives designed to improve DEP's quality of work life.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 17
3	Program Implementation	OGC - 100.0	Assess baseline data and identify improvement recommendations.	AJA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 17

Phase #	Activity Category	C'tment #		Commitment Description	Lead Org	Funding Source 1	Funding Source 2	Reporting Type	Where Progress or Completion Is Documented	M/O # (s) Supported
3	Program Implementation	OGC -	101.0	Secure EPA's continued participation and support of the NJ Center for Environmental Indicators.	ABA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18
2	Planning	OGC -	102.0	Secure assistance with benchmark information on indicators in use by EPA and other states, and participate in the development of regional indicators for Region 2.	ABA	State – General Fund		Not CPM	Goal Area Strategic Quarterly Progress Report	OGH 18

APPENDIX A – Core Performance Measures

(EI – Environmental Indicator, ARR - Associated Reporting Requirement, Outcome – Core Program Outcome, Output – Core Program Output)

Air/Radiation

Core Performance Measure	PPA Measure (if different than CPM)	Type of Measure	PPA Section/Indicator or Commitment #	Agency	Notes
1. Trends in ambient air quality for each of the criteria pollutants (NAAQS).		EI		EPA/NJDEP	EPA compiles National Trends Report using data from CPM #s
2. Emission reduction since 1990 for each of the criteria pollutants (NAAQS).		Outcome		EPA/NJDEP	EPA compiles National Trends Report using data from CPM #s
3. Number of non-attainment areas (and their associated populations) that reach attainment for each of the criteria pollutants (NAAQS), including the number of ozone non-attainment areas that meet the 1-hour ozone standard.		Outcome		EPA/NJDEP	EPA makes this determination using data submitted from CPM #s
4. Redesignation of areas attaining the current NAAQS, revocations of the PM 10 and 1-hour ozone NAAQS for areas attaining them, and designations of areas for the new ozone and revised PM10 NAAQS.		Output		EPA/NJDEP	Designations are made by EPA based on information received from states. Some designations cover multi-state areas
5. Air quality and emissions data such as that currently reported to AIRS/AFS.		ARR	Clean Air (AQI-1.0, 3.0, 9.0, 15.0, 18.0, 24.0, 30.0, 34.0, 38.0)	NJDEP	
6. Number of operating and major NSR permits issued.		ARR	Clean Air (AQC-117.1, 122)	NJDEP	

7. Number of PM2.5 ambient monitoring sites deployed.		ARR	Clean Air (AQC-28.0)	NJDEP	
8. Trends in emissions of toxic air pollutants as reflected in EPA's National Toxics Inventory.		EI		EPA	EPA uses data submitted in CPM #11 to prepare trends report
9. Reduction in air toxic emissions from 1993 levels.		Outcome		EPA	EPA uses data submitted in CPM #11 to calculate reductions
10. Percentage of promulgated MACT standards for major sources implemented.	Major MACT Sources: Assess the compliance status with respect to the applicable MACT during the FCE, PCE or investigation of a major MACT – affected source. For any violations documented, if NJDEP has legal authority to enforce the MACT requirements (even before the Title V operating permit is issued), it will take appropriate enforcement action to address such violations. Otherwise they will refer the violations to EPA for appropriate actions. To facilitate the interaction with EPA, NJDEP will share information concerning major MACT sources.	ARR	Clean Air (AQC-144.0)	NJDEP	
11. State progress in collecting and compiling ambient and emission source data for toxics to better understand the nature and extent of the air toxics problem.		ARR	Clean Air (AQC-14.0,29.0)	NJDEP	

12. Number of emissions inventories & ambient data collected from monitoring sites.		ARR	Clean Air	NJDEP	(see CPM #5 & #11)
13. Number of continuous emissions monitoring audits completed.		ARR	Clean Air(AQC-16.0)	NJDEP	
14. Estimated increase in number of people experiencing healthier indoor air in residences and schools.		EI	Safe & Healthy Communities – Radiation (RNI-49.0-56.0, 58.0, 59.0, RNC-34.0-58.0)	NJDEP	
15. Number of homes tested for radon and number with elevated levels fixed.		Outcome	Safe & Healthy Communities – Radiation (RNI-50.0, 51.0, 52.0, 55.0, 56.0)	NJDEP	

Pollution Prevention/Pesticides/Toxic Substances

Core Performance Measure	PPA Measure (if different than CPM)	Type of Measure	PPA Section/Indicator or Commitment #	Agency	Notes
1. Trends in pesticide related illnesses at several representative locations.	Annual number of pesticide-related inquires to NJPIES	EI	Safe & Healthy Communities – Pesticides (PSI-3.0)	NJDEP	
2. Trained workers – all pesticide handlers and workers will have the information they need to ensure prevention of adverse health effects from exposure to pesticides or their residues.		Outcome			CPM under development in cooperation with state land agencies (SLAs); output & reporting to be determined following CPM finalization
3. Number of workers, handlers and trainers trained under the national training verification program during the agreement, and cumulative numbers since the beginning of the program.		Output	Safe & Healthy Communities – Pesticides (PSC-23.0)	NJDEP	
4. Number of employers found to be in compliance with employee training requirements.	Percentage of NJ farms inspected that fall under the scope of WPS & are in compliance with training requirements	Output	Safe & Healthy Communities – Pesticides (PSI-14.0)	NJDEP	
5. Trends in pesticide residue exceedances across databases e.g., FDA, USDA, EPA.		EI		EPA	
6. Trend or change in incidents of misuse and accidents.	Percentage of pesticide-related inquires to the NJPIES with documented & verified harm or injury to persons that are: a) self applications & b) applicator	Outcome/EI	Safe & Healthy Communities – Pesticides (PSI-5.0)	EPA & NJDEP	

7. Changes in quality of training tools and methods.		Output			CPM under development with SLAs; output & reporting to be determined following CPM finalization
8. Change in use of inspection and investigation information.		Output			CPM under development with SLAs; output & reporting to be determined following CPM finalization
9. Number of certifications issued by category.		Output	Safe & Healthy Communities – Pesticides (PSC-24.0)	NJDEP	
10. Number of re-certifications issued by category.		Output	Safe & Healthy Communities – Pesticides (PSC-24.0)	NJDEP	
11. Trends in pesticide residues in ground water at several representative locations.		EI	Safe & Healthy Communities – Pesticides (PSI-21.0)	EPA & NJDEP	
12. Change over time, in pesticide residue levels at several sites across the country, where the pesticide has been managed under the Management Plan Framework.		Outcome			CPM under development in cooperation with SLAs; output and reporting ability to be determined following finalization of CPM by EPA; since the federal PMP rule has not been finalized, no pesticides have been identified for management under the Management Plan Framework
13. Increase capacity of the State under the Management Plan Framework.		Output			CPM under development by SLAs; output & reporting to be determined following CPM finalization
14. Status of review and concurrence		Output			New Jersey will resume work on the State

process for the State's generic and chemical specific SMPs.					Pesticide Management Plan process upon finalization of the federal PMP rule
15. Populations living near facilities in communities with reduced toxics loadings as a result of significantly reduced TRI emissions or as a result of the facility's emissions dropping below TRI reporting thresholds or the facility's reductions of non-product output.	Changes in throughput/chemical use nonproduct output, & releases of hazardous substances on a statewide basis	EI	Safe & Healthy Communities – Pollution & Release Prevention (PRI-9.0)	NJDEP	
16. Percent of waters meeting their designated uses		EI			See Water section of this Appendix
17. Number of human exposures controlled.		EI			See OSWER section of this Appendix
18. Number of groundwater releases controlled.		EI			See OSWER section of this Appendix
19. Number of regions with improved air quality for each of the 6 criteria air pollutants.		EI		EPA	EPA compiles a national report using data provided by NJ & by other states, since most of our regions cover multi-state areas
20. Percent of non-product outputs reduced, including TRI waste.	Changes in throughput/chemical use, nonproduct output & releases of hazardous substances on a statewide basis	Outcome	Safe & Healthy Communities – Pollution & Release Prevention (PRI-9.0)	NJDEP	
21. Percent of non-product outputs reduced, including TRI waste normalized for production.	Changes in throughput/chemical use, nonproduct output & releases of hazardous substances resulting from economic activity changes	Outcome	Safe & Healthy Communities – Pollution & Release Prevention (PRI-10.0)	NJDEP	

22. Percent of non-product outputs reduced, including TRI waste attributable to pollution prevention.*	Changes in throughput/chemical use, nonproduct output & releases of hazardous substances on a statewide basis	Outcome	Safe & Healthy Communities – Pollution & Release Prevention (PRI-9.0)	NJDEP	*By definition, Non-product Output (NPO) reductions are the result of pollution prevention except where NPO is reduced due to a process shut down or the delisting of a chemical
23. Percent on non-product outputs reduced, including TRI waste, normalized for production, attributed to pollution prevention.*	Changes in throughput/chemical use, nonproduct output & releases of hazardous substances resulting from economic activity changes	Outcome	Safe & Healthy Communities – Pollution & Release Prevention (PRI-10.0)	NJDEP	*By definition, Non-product Output (NPO) reductions are the result of pollution prevention except where NPO is reduced due to a process shut down or the delisting of a chemical
24. Percent of facilities that have implemented pollution prevention practices as a result of technical assistance.	Comparison of NJ pollution prevention trends to US pollution prevention trends	Outcome	Safe & Healthy Communities – Pollution & Release Prevention (PRI-12.0)	NJDEP	
25. Percent reduction of annual pollutant loadings to rivers, lakes, and coastal waters from key point sources.		Outcome			See Water section of this Appendix
26. Percent of facilities where actions have been taken to control or mitigate groundwater contamination or human exposure.		Outcome			See OSWER section of this Appendix
27. Percent change in number of areas in each of the non-attainment classifications for each of the 6 criteria pollutants.		Outcome		EPA	EPA makes this calculation using data submitted by NJ & other states

<p>28. Number and type of activities taken to reduce pollution at its source, including multimedia efforts.</p>	<p>- Changes in energy usage & calculations of reductions in resulting emissions of NOx, CO2 & other pollutants - Changes in throughput/chemical use, nonproduct output & releases of hazardous substances on a statewide basis - Number of participants in Energy Star Partnership and Silver & Gold Track programs, and the number of signatories to the Greenhouse Gas Covenant (companies, NJ Colleges & Universities, K-12 schools, hospitals, etc.). Process improvements or clean technologies, substitutions, and associated reductions in emissions to all media from participants in these programs</p>	<p>Output</p>	<p>- Safe & Healthy Communities – Pollution & Release Prevention (PRI-2.0, 9.0) - Clean Air (Global Climate Change) (GCI-29.0)</p>	<p>NJDEP</p>	
<p>29. Number and percent of facilities providing technical assistance on pollution prevention opportunities.</p>	<p>- Number of participants in Energy Star Partnership and Silver & Gold Track programs, and the number of signatories to the Greenhouse Gas Covenant (companies, NJ Colleges & Universities, K-12 schools, hospitals, etc.). Process improvements or clean technologies, substitutions, and associated reductions in</p>	<p>Output</p>	<p>Clean Air (Global Climate Change) (GCI-29.0)</p>	<p>NJDEP</p>	

	emissions to all media from participants in these programs				
30. A change in blood lead levels from a baseline to be determined.		EI			Data for this CPM are gathered by NJDHSS, not NJDEP
31. The number of target homes in which lead exposure reduction activities have been completed. These activities can include full abatement, interim containment, or other interventions designed to reduce children's exposure to lead in paint, lead contaminated house dust, and lead contaminated soils.		Outcome			Data for this CPM are gathered by NJDHSS, not NJDEP
32. By the end of FY98, 40 states have operating, EPA-approved Pb training, accreditation, and certification programs.		Output		EPA	

Solid Waste & Emergency Response

Core Performance Measure	PPA Measure (if different than CPM)	Type of Measure	PPA Section/Indicator Or Commitment #	Agency	Notes
<p>1. Human Exposures Controlled; Ground Water Releases Controlled.</p>	<p>- Amount of PBTs generated -% of hazardous waste facilities with controls in place to prevent dangerous releases to soil and water -% of hazardous waste accululation tanks with controls in place to prevent dangerous releases to soil and water -% of solid waste facilities and recycling centers with approved air, groundwater and wastewater controls to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance - % of hazardous waste incinerators in compliance with MACT standards or more stringent if warranted by risk assessment</p>	<p>EI</p>	<p>Safe & Healthy Communities – Solid/Hazardous Waste (SHI-1.0, 2.0, 3.0, 6.0)</p>	<p>NJDEP</p>	
<p>2. Activities targeted at controlling or preventing the spread of contamination, preventing human exposure to such releases and reducing the risk to human health & the environment.</p>	<p>-% of hazardous waste facilities with controls in place to prevent dangerous releases to soil and water -% of hazardous waste accuiiation tanks with controls in plact to prevent dangerous releases to soil and water</p>	<p>Outcome</p>	<p>Safe & Healthy Communities – Solid/Hazardous Waste (SHI-1.0, 2.0, 3.0)</p>	<p>NJDEP</p>	

	-% of solid waste facilities and recycling centers with approved air, groundwater and wastewater controls to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance - % of hazardous waste incinerators in compliance with MACT standards or more stringent if warranted by risk assessment				
3.1 The number of high priority facilities with human exposures controlled. 3.2 The number of high priority facilities with ground water releases controlled.	Project annual outputs for & manage hgh priority RCRA facilities so human exposures & ground water releases are controlled; respond to EPA requests to assist in evaluating if these are controlled	Output	Safe & Healthy Communities – Site Remediation (SRC-22.0)	NJDEP	
4. The state and EPA will work to develop indicators of change in the condition of the soil, shallow ground water, or ecosystem as appropriate.		EI			NJDEP is actively doing this
5. Decrease the quantity of waste generated, decrease the toxicity of waste generated, and increase the rate of recycling.	- Amount of PBTs generated - % of total & municipal waste streams recycled - % of food waste recycled &/or composted - Amount of hazardous waste generated - % of hazardous waste recycled	Outcome	Safe & Healthy Communities – Solid/Hazardous Waste (SHI-6.0, 8.0, 9.0, 10.0)	NJDEP	

6.1 Determine appropriate baseline year & measurement methodology. 6.2 Develop guidance on how to adapt PBT identification to particular businesses or geographical areas. 6.3 Conduct training for site-wide pollution prevention assessments.	Establish interdepartmental team to develop a computer-based multi-media release report to be housed in NJEMS.	Output	Safe & Healthy Communities – Pollution & Release Prevention (PRC-1.0)	NJDEP NJDEP	
7. The state and EPA will work to develop indicators of change in the condition of the soil, shallow ground water, or ecosystem as appropriate.		EI			NJDEP is actively doing this
8. Number of cleanups initiated or completed.		Outcome			See next item
9.1 Number of LUST cleanups initiated 9.2 Number of LUST cleanups completed.	# of Confirmed Releases, Cleanups Initiated, Cleanups Conducted, Emergency Responses	Output	Safe & Healthy Communities – Site Remediation (SRI-9.0, 21.0)	NJDEP	
10. The state and EPA will work to develop indicators of change in the condition of the soil, shallow ground water, or ecosystem as appropriate.		EI			NJDEP is actively doing this
11. Number of UST Systems equipped to meet requirements for leak detection and upgrading.	Total # Petroleum USTs, Closed Petroleum USTs, Haz Substance USTs, % Systems Meeting Leak Detec and Upgrade Req.	Outcome	Safe & Healthy Communities – Site Remediation (SRI-9.0, 21.0)	NJDEP	
12. Number of UST's (&		Output			See Previous Item

UST facilities) meeting EPA/state requirements for leak detection, spill containment, overfill prevention, and corrosion protection.					
13. The state and EPA will work to develop indicators of change in the condition of the soil, shallow ground water, or ecosystem as appropriate.		EI			NJDEP is actively doing this
14. Controls that are put in place to prevent dangerous releases to air, soil & groundwater.	-% of hazardous waste facilities with controls in place to prevent dangerous releases to soil and water -% of hazardous waste accululation tanks with controls in plact to prevent dangerous releases to soil and water -% of solid waste facilities and recycling centers with approved air, groundwater and wastewater controls to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance - % of hazardous waste incinerators in compliance with MACT standards or more stringent if warranted by risk assessment	Outcome	Safe & Healthy Communities – Solid/Hazardous Waste (SHI – 1.0, 2.0, 3.0)	NJDEP	
15. Number of final permits or other approved controls in place.		Output	Safe & Healthy Communities - Solid/Hazardous Waste (SHC – 41.0)	NJDEP	

16. The state and EPA will work to develop indicators of change in the condition of the soil, shallow ground water, or ecosystem as appropriate.		EI			NJDEP is actively doing this
17. Controls that are put in place to prevent dangerous releases to air, soil & groundwater.	<p>-% of hazardous waste facilities with controls in place to prevent dangerous releases to soil and water</p> <p>-% of hazardous waste accululation tanks with controls in plact to prevent dangerous releases to soil and water</p> <p>-% of solid waste facilities and recycling centers with approved air, groundwater and wastewater controls to prevent dangerous releases to the environment, as well as adequate controls to prevent public nuisance</p> <p>- % of hazardous waste incinerators in compliance with MACT standards or more stringent if warranted by risk assessment</p>	Outcome	Safe & Healthy Communities – Solid/Hazardous Waste (SHI-1.0, 2.0, 3.0)	NJDEP	
18. Rulemakings that include specific controls to reduce emissions of dioxins, furans, particulate matter and acid gases.		Output	Safe & Healthy Communities – Solid/Hazardous Waste (SHC-27.5, 42.0))	NJDEP	

Water Quality

Core Performance Measure	PPA Measure (if different than CPM)	Type of Measure	PPA Section/Indicator Or Commitment #	Agency	Notes
1. Number of: a) community drinking water systems and percent of population served by community water systems, and b) non-transient, non-community drinking water systems, and percent of population served by such systems, with no violations during the year of any federally enforceable health-based standard.		Outcome	Clean & Plentiful Water – Drinking Water (DWI-1.0, 3.0)	NJDEP	
2. Estimated number of community water systems (and estimated percent of population served) implementing a multiple barrier approach to prevent drinking water contamination.		EI		NJDEP	EPA still working on the National Contamination Prevention Strategy, thus at present, no source water CPM for FY02
3. Percent of river miles and lake acres that have been assessed for the need for fish consumption advisories; and compilation of State-issued fish consumption advisory methodologies, as reported through the National Listing of Fish and Wildlife Advisories.		ARR	Clean & Plentiful Water – Surface Water (SWI-45.0)	NJDEP	
4. Number and percent of assessed river miles, lake acres, and estuary		Outcome	Clean & Plentiful Water – Surface Water (SWI-5.0, 24.0, 29.0,	NJDEP	

square miles that have water quality supporting designated beneficial uses, including, where applicable, for: a) fish and shellfish consumption; b) recreation; c) aquatic life support; d) drinking water supply. (The reporting period is two years.)			36.0, 40.0, 42.0, 45.0, 46.0, 47.0 & DWI-5.0)		
5. Number and percent of impaired, assessed river miles, lake acres, and estuary square miles that a) are covered under Watershed Restoration Action Strategies.	Number and percent of impaired assessed river miles, lake acres & estuary square miles that a) are covered under Watershed Restoration Action Strategies	ARR	Clean & Plentiful Water – Surface Water (SWI-8.0)	NJDEP	DEP and EPA will work cooperatively toward reporting CPM #5b: waters restored to their designated uses during the reporting period
6. The TMDL status for each state; including: a) The number of TMDLs identified on the 1998 303(d) list that the State and EPA have committed to produce during the current two-year cycle; b) The number of these TMDLs submitted by the State to EPA; c) The number of state-established TMDLs approved by EPA; d) The number of EPA-established TMDLs.		ARR	Clean & Plentiful Water – Surface Water (SWI-9.0)	NJDEP	
7. Percent of POTWs that are beneficially reusing all or a part of their biosolids and, where data exists, the percent of biosolids generated that are		EI	Clean & Plentiful Water – Ground Water (GWI-6.0)	NJDEP	

beneficially reused.				
8. Number and percent of facilities that have a discharge requiring an individual permit: a) that are covered by a current individual NJPDES permit; b) that have expired individual permits; c) that have applied for but not been issued an individual permit, and d) that have individual permits under administrative or judicial appeal.		ARR	Clean & Plentiful Water – Surface Water (SWI-13.0)	NJDEP
9. Number of storm water sources associated with industrial activity, number of construction sites over five acres, and number of designated storm water sources (including Municipal Phase I) that are covered by a current individual or general NJPDES permit.		EI	Clean & Plentiful Water – Surface Water (SWI-14.0)	NJDEP
10. Number of permittees (among the approximately 900 CSO communities nationwide) that are covered by NJPDES permits or other enforceable mechanisms consistent with the 1994 CSO policy.		EI	Clean & Plentiful Water – Surface Water (SWI-15.0)	NJDEP
11. Number and percent of approved pretreatment programs		EI	Clean & Plentiful Water – Surface Water (SWI-16.0)	NJDEP

<p>audited in the reporting year. Of those, the number of audits finding significant shortcomings and the number of local programs upgraded to achieve compliance</p>					
<p>12. EPA will report to Congress on the pace of the Clean Water State Revolving Fund (CW SRF) Program. (EPA and States are working to develop an outcome measure for the CW SRF.)</p>		ARR	Clean & Plentiful Water – Surface Water (SWI-17.0)		
<p>13. Number of EPA approvals of State submitted upgraded Nonpoint Source (NPS) Programs (incorporating the nine key elements outlined in the national NPS Program and Grants Guidance for FY 1997 and Future Years jointly transmitted by EPA and ASWIPCA)</p>		ARR			This measure is not being continued in 2001

Compliance & Enforcement Accountability Measures

Accountability Measure	NJDEP Commitment
1. Rate of significant noncompliance by industry sector and by media	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)
2. Percent of significant violators in each media that have new or recurrent significant violations within 2 years of receiving a formal enforcement action	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)
3. Environmental and/or public health benefits achieved through inspection and enforcement activities (e.g. case settlements, compliance agreements, injunctive relief, Supplemental Environmental Projects).	NJDEP, will annually, provide EPA with pertinent information it gathers
4. Results or impact of using: state audit privilege or immunity law; state audit policies; state small business compliance assistance policies; and compliance assistance initiatives developed for specific industry sectors	NJDEP, will annually, provide EPA with pertinent information it gathers
5. Number of inspections conducted and percentage of total universe of regulated sources inspected MOA priority areas (e.g., industry sectors, geographic areas).	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)
6. Enforcement activity (e.g. cases, referrals, orders, notices) initiated by media	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)
7. Average number of days for significant violator cases to return to compliance or to enter enforceable compliance plans or agreements	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)
8. Enforcement activity (e.g., cases, referrals, orders, notices) concluded by media, including penalty amounts for each category of action	NJDEP will continue to supply data to pertinent national databases (electronic and manual), including AIRS, PCS, RCRA Information, & SDWIS. NJDEP reporting commitments for these databases are specified in the specific goal-area spreadsheets. (AQC-129.0, 131.0, SWI-10.0, SWC-45.0, SHC-2.0, DWC-2.0)

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Appendix B
Lead Organizations - Code Key

Organizational Category	Organizational Unit	Code
Air Compliance & Enforcement	Metro Region	LCB
	Central Region	LCC
	Southern Region	LCD
	Northern Region	LCE
	Bureau of Enforcement Services	LCF
	Other Air Compliance & Enforcement	LCA
Air Quality Management	Bureau of Regulatory Development	ABM
	Bureau of Air Quality Planning	ABN
	Bureau of Transportation Control	ABP
	Bureau of Air Monitoring	ABQ
	Other Air Quality Management	ABL
Air Quality Regulation	Bureau of New Source Review	FLB
	Bureau of Air Quality Engineering	FLC
	Bureau of Air Quality Evaluation	FLD
	Bureau of Technical Services	FLE
	Bureau of Operating Permits	FLF
	Other Air Quality Regulation	FLA
Budget & Finance	Budget & Finance	JAA
Coastal & Land Use Enforcement	Bureau of Regional Compliance & Enforcement	BBB
	South	BBC
	North	BBD
Commissioner's Office	Office of State Plan Coordination	AAP

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code
	NJ Infrastructure Trust	DAA
	Other Commissioner's Office	AAA
E,S,H & A Programs	Bureau of Radiological Health	CBA
	Bureau Nuclear Engineering	CBB
	Radon Program	CBC
	Bureau of Environmental Radiation	CBD
	Office of Quality Assurance	CCC
	Other E,S,H & A	CAA
Engineering & Construction	Coastal Engineering	NEB
	Flood Plain Management	NEG
	Dam Safety	NEH
	Shore Protection Program	NEJ
	Other Engineering & Construction	NEA
Environmental Planning & Science	Assistant Commissioner's Office	ABA
	Coastal Planning & Program Coordination	ABB
Environmental Regulation	Office of Pollution Prevention & Permit Assistance	AHB
Financial Operations	Grants Management	JBD
Fish, Game & Wildlife	Bureau of Wildlife Management	EBA
	Nongame Central Office	EFA
	Shellfisheries Central Office	EGC
	Office of Environmental Review	EJA

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code
	Marine Fisheries Central Office	EKB
	Office of Laboratory Services	ELA
	Other Fish, Game & Wildlife	EAA
Green Acres	State Land Acquisition	GGB
	Outdoor Recreation Planning	GGF
	Legal Services	GGH
	Green Trust Management	GGJ
	Other Green Acres	GAA
Information Technology	Office of Information Resources Management	AQA
Land Use Regulation	Bureau of Coastal Regulation	BAB
	Bureau of Inland Regulation	BAC
	Tidelands Management Program	BAD
	Other Land Use Regulation	BAA
Parks & Forestry	Office of Natural Lands Management	GAF
	Technical Services	GAG
	Historic Preservation Office	GAJ
	Office of Natural Lands Trust	GAL
	Maintenance Services	GBC
	Bureau of Forest Fire Management	GCA
	Office of Resource Development	GEA
	Capital Planning & Programming	GEB
	Capital Construction & Facilities	GEC
	Other Parks & Forestry	GAA

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code
Pesticide Control	Bureau Pesticide Compliance	LDF
	Bureau of Pesticide Operations	LDG
	Office of Local Environmental Management	LDH
Science, Research & Technology	Innovative Technology & Market Development	RCB
	Environmental Research & Health Assessment	RCD
	Environmental Exposure & Assessment	RCE
	Bureau of Risk Analysis & Information Management	RCI
	Groundwater Resources Evaluation	RCQ
	Bureau of Geology & Topography	RCR
	Geological Survey Office	RCS
	Other Science, Research & Technology	RCA
Site Remediation — PF	Environmental Evaluation & Risk Assessment	HBB
	Environmental Measurement & Quality Assurance	HBC
	Groundwater Pollution Abatement	HBG
	Site Management	HDB
	Construction	HDD
	Community Relations Office	HEC
	Planning & Systems	HED
	Site Safety & Health Office	HEE
	Contract Administration	HFB
	Financial Support	HFC
Other Site Remediation — PF	HAA	
Site Remediation — RP	Bureau of Case Management	MME

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code
	Bureau of Fund Management Compliance & Enforcement	MMF
	Northern Field Office	MPE
	Southern Field Office	MPG
	Field Operations Headquarters	MPI
	Emergency Response Program	MPJ
	Communication Support Services	MPK
	Envtl Eval, Cleanup & Response Assessment	MQB
	Underground Storage Tanks	MQD
	Other Site Remediation — RP	MMA
Solid & Hazardous Waste	Bureau of Resource Recovery & Transfer Facilities	SDB
	Bureau of Landfill, Composting & Recycling Mgmt	SDD
	Bureau of Hazardous Waste Permitting	SDF
	Bureau of Hazardous Waste Regulation	SHB
	Bureau of Solid Waste Regulation	SHD
	Bureau of Recycling & Planning	SHE
	Other Solid & Hazardous Waste	SAA
Waste & Release Prevention C&E	Bureau of Hazardous Waste Management	LFA
	Bureau of Solid Waste	LFB
	Bureau of Chemical Release Information & Prevention	LFE
	Bureau of Discharge Prevention	LFF
	Other Waste & Release Prevention C&E	LAD
Water Compliance & Enforcement	Central Region	LBC
	Southern Region	LBD
	Northern Region	LBE

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code
	Other Water Compliance & Enforcement	LBA
Water Quality	Point Source Discharge Permitting & Regulation	FDC
	Pretreatment & Residuals	FDE
	Permit Management	FDJ
	Municipal Finance & Construction Element	FDL
	Bureau of Administration & Management	FDM
	Bureau of Engineering - North	FDN
	Bureau of Engineering - South	FDO
	Program Development & Technical Services	FDP
	Watershed Permitting Element	FDQ
	Nonpoint Pollution Control	FDR
	Other Water Quality	FDA
Water Supply	Bureau of Water Allocation	BCB
	Bureau of Safe Drinking Water	BCC
	Other Water Supply	BCA
Watershed Management	Atlantic Coast Bureau	RDB
	Northwest Bureau	RDC
	Lower Delaware River Bureau	RDD
	Northeast Bureau	RDE
	Raritan Bureau	RDF
	Office of Water Monitoring Management	RDG
	Bureau of Marine Water Monitoring	RDH
	Freshwater & Biological Monitoring	RDI
	Other Watershed Management	RDA

**Appendix B
Lead Organizations - Code Key**

Organizational Category	Organizational Unit	Code	
Other NJ State Agencies	NJ Department of Agriculture	DOA	
	NJ Department of Transportation	DOT	
	NJ Board of Public Utilities	BPU	
	NJ Department of Community Affairs	DCA	
	NJ Department of Law & Public Safety	LPS	
	Division of Motor Vehicles	DMV	
	NJ Department of Labor	DOL	
	NJ Office of State Planning	OSP	
	NJ Soil Conservation Service	SCS	
	State Agriculture Development Committee	SAD	
	State Soil Conservation Committee	SSC	
	Other NJ State Agency	NJO	
Federal Agencies	US Environmental Protection Agency — HQ	EPA	
	USEPA Region 2 Env'tl Planning & Protection Division	EPP	
	USEPA Region 2 Env'tl Science & Assessment Division	ESA	
	USEPA Region 2 Other	EPO	
	Federal Emergency Management Agency	FEM	
	National Marine Fisheries	NMF	
	National Oceanic & Atmospheric Administration	NOA	
	US Army Corps of Engineers	ACE	
	US Department of Agriculture	AGR	
	US Department of Energy	DOE	
	US Fish & Wildlife Service	UFW	
	US Food & Drug Administration	FDA	
	US Forest Service	UFS	

Appendix B
Lead Organizations - Code Key

Organizational Category	Organizational Unit	Code
	US Geological Survey	UGS
	US Natural Resources Conservation Service	UCS
	US Nuclear Regulatory Commission	UNR
	Other Federal Agency	FAO
Other Organizations	County & Municipal Government(s)	CMG
	County Environmental Health Act Organizations	CEH
	Delaware River Basin Commission	DRB
	Mid-Atlantic Regional Air Management Association	MAR
	Northeast States for Coordinated Air Use Management	NES
	Ozone Transport Assessment Group	OTG
	Ozone Transport Commission	OTC
	State and Territorial Air Pollution Program Administrators	STA
	Other Organization	000

Appendix C

Goal/Indicator and Activity Commitment Table Key

A key to some of the major columns in the goal/indicator and activity commitment tables is as follows:

Goal/Indicator Table

Subgoal # - refers to listing of subgoals contained in Goal Area Introduction preceding tables

Indicator Type – 3 options: Cause, Condition or Response (see “Environmental Indicators” description in PPA Introduction for complete definition/explanation of these types)

Lead Org – Working Cost Center designation for Bureau/Unit primarily responsible for indicator development and maintenance (see Appendix B for complete listing of all WCCs)

Reporting Type – 3 options: CPM (core performance measure, required for reporting), Other Committed (not a CPM but still committed for reporting), Future Reporting (may be considered for reporting at a later date & time)

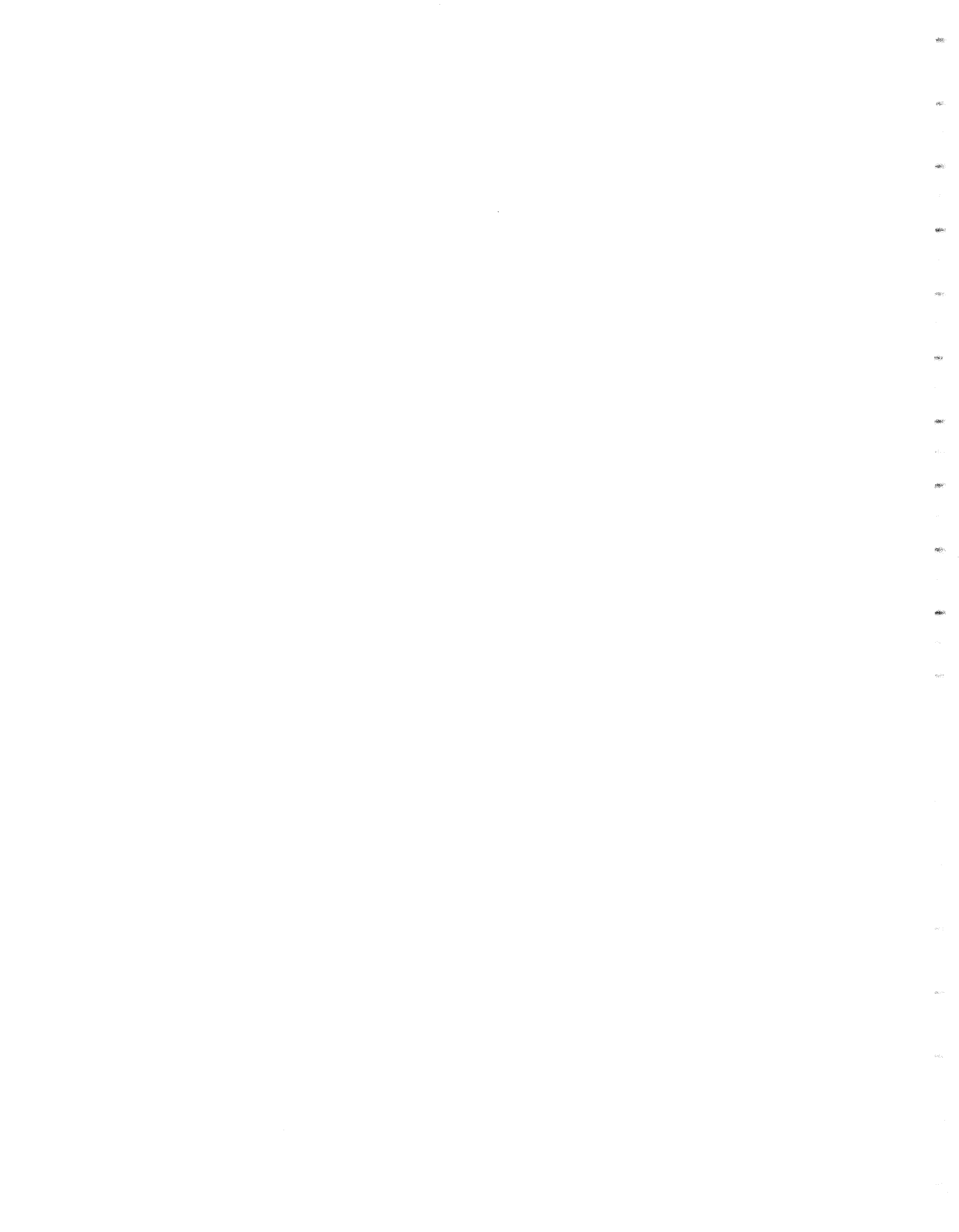
Activity Commitment Table

Phase # - refers to 1 of 4 “phases” of core activities in the environmental protection process (1. Data collection & assessment, 2. Strategic planning, 3. Strategy implementation, 4. Strategy evaluation)

Lead Org – same as Goal/Indicator Table

Reporting Type – 2 options: CPM (core performance measure) or Not CPM

M/O#(s) Supported – lists # of milestone/objective (from Goal/Indicator table) which activity commitment supports achievement of



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