



**Charter**

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 2 of 28

Title: <b>DNNP MANAGEMENT SYSTEM</b>
-----------------------------------------

**TABLE OF CONTENTS**

**Page**

<b>1.0</b>	<b>DIRECTION .....</b>	<b>4</b>
1.1	DNNP Overview and Business Objectives .....	4
1.2	DNNP Mission, Values, and Behaviors .....	5
1.2.1	Mission .....	5
1.2.2	Values and Behaviors .....	5
1.3	DNNP Management Statement of Commitment.....	6
1.4	DNNP Operating Model .....	6
1.5	Governance Framework.....	8
1.5.1	Ontario Power Generation Governance Framework.....	8
1.5.2	DNNP Project Business Process Owners .....	9
1.6	N-POL-0001, Nuclear Safety Policy .....	9
1.7	DNNP Business Programs - Developed for Project Readiness .....	10
1.7.1	NK054-PROG-0014, DNNP Licensing, Permitting and Approvals.....	11
1.7.2	NK054-PROG-0008, DNNP Project Controls .....	12
1.7.3	NK054-PROG-0001, Engineering Authority Review and Oversight.....	12
1.7.4	NK054-PROG-0006, DNNP Environment .....	13
1.7.5	NK054-PROG-0003, DNNP Management System Oversight, Assessment and Improvement.....	13
1.7.6	Oversight and Assessment .....	13
1.7.7	DNNP Organization .....	14
1.7.8	Organizational Learning .....	14
1.7.9	NK054-PROG-0013, DNNP Training .....	15
1.7.10	OPG-POL-0001, Health and Safety Policy .....	15
1.7.11	NK054-PROG-0002, DNNP Health and Safety .....	15
1.7.12	Ontario Power Generation Finance Policies.....	15
1.7.13	NK054-PROG-0009, DNNP Business Management and Internal Control .....	16
1.7.14	OPG-POL-0017, Purchasing and Asset Disposal Policy .....	17
1.7.16	OPG-POL-0027, Aboriginal Policy .....	18
1.7.17	DNNP Change Control.....	18
1.7.18	NK054-PROG-00XX, DNNP Records and Document Management.....	18
1.8	DNNP Business Programs - Defined to support the Environmental Impact Study Submission and Licence to Prepare Site.....	19
1.8.1	NK054-PROG-0015, DNNP Emergency Preparedness .....	19
1.8.2	NK054-PROG-0005, DNNP Construction .....	20
1.8.3	DNNP Conduct of Commissioning .....	20
1.8.4	DNNP Conduct of Maintenance .....	21
1.8.5	DNNP Conduct of Operations .....	21
1.8.6	NK054-PROG-0017, DNNP Security .....	21
1.8.7	DNNP Fire Protection .....	22
1.8.8	DNNP Work Protection .....	22
1.8.9	DNNP Radiation Protection.....	23
1.8.10	DNNP Nuclear Safeguards .....	23

**Charter**

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 3 of 28

Title: <b>DNNP MANAGEMENT SYSTEM</b>
-----------------------------------------

1.8.11 W-PROC-WM-0090, Decommissioning Planning..... 24

1.9 DNNP External and Internal Interfacing Agreements ..... 24

**2.0 DEFINITIONS AND ACRONYMS..... 25**

2.1 Definitions..... 25

2.2 Abbreviations and Acronyms ..... 25

**3.0 REFERENCES ..... 25**

**4.0 REVISION SUMMARY ..... 26**

**APPENDIX**

Appendix A: Darlington New Nuclear Project Management System Business Processes ..... 27

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 4 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

## **1.0 DIRECTION**

### **1.1 DNNP Overview and Business Objectives**

On June 16, 2006, the Government of Ontario directed OPG to undertake the “Federal approvals process, including an environmental assessment, for new nuclear at an existing site.” The Federal approvals process was commenced in September, 2006.

On March 7, 2008, the Government of Ontario announced a competitive commercial process and the beginning of Phase 1 of a Request for Proposal (RFP) to select an EPC Company to design and construct new nuclear generating units in Ontario. Infrastructure Ontario is the Provincial agency leading the competitive commercial process with Ontario Power Generation (OPG) participating in the process, including providing support to the commercial, technical and operational aspects of the RFP process.

On June 16, 2008, OPG was selected as the operator of the new nuclear units and will have accountability for the overall delivery of the Darlington New Nuclear Project (DNNP) in accordance with health and safety, economic, environmental, security and quality requirements.

The following are DNNP business objectives:

- (a) Support the province in the RFP process for DNNP in Ontario.
- (b) Establish the Project Management Organization to oversee the project.
- (c) Site the power plant, obtain Canadian Nuclear Safety Commission (CNSC) and other Federal licences and oversee the project site preparation, design, construction, and commissioning activities performed by the EPC Company to ensure commercial, technical, quality, scope, and contractual goals and requirements are met.
- (d) Have an OPG organization ready to operate and maintain the DNNP in Ontario on the Darlington site.

On June 29, 2009, the Government of Ontario announced suspension of the ‘Request for Proposal’ process to procure two new nuclear reactors planned for the Darlington site. Associated project activities are suspended and records have been filed to support project restart at a later date when the technology procurement process restarts.

The DNNP project continues solely with respect to the Federal approvals process. All activities associated with the Environmental Assessment and Licence to Prepare Site are continuing.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 5 of 28

Title:

## DNNP MANAGEMENT SYSTEM

### 1.2 DNNP Mission, Values, and Behaviors

#### 1.2.1 Mission

To site, licence and accept a new nuclear power station on the Darlington site that operates reliably, at a high capability factor for its expected life and meets all environmental, health and safety, security, economic and quality requirements.

#### 1.2.2 Values and Behaviors

(a) Safety First

- (1) Always place nuclear safety as the overriding priority.
- (2) Accept personal responsibility for our own and others' conventional and radiological safety.
- (3) Always take into account the environmental implication of what we do.
- (4) Always place safety before commercial gain.
- (5) Strive for continuous improvement in safety awareness and performance.

(b) Commitment

Deliver on promises and do not let the team or business down.

(c) Teamwork

Align around a common sense of purpose and desired outcome, recognizing the whole is greater than the sum of the parts.

(d) Integrity

Behave in a principled manner consistent with sound ethical and professional standards and in compliance with policies and procedures of the business.

(e) Respect

Actively involve others, listen well, earn trust, and bring out the best in others.

(f) Ethical Business Behavior

Exercise the highest level of prudence and control of purchase, oversight, and interface with the new EPC Company.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 6 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

Ensure values and behaviors are built on the cornerstones of safety, reliability, value for money, and human performance and on the foundation of the OPG Code of Business Conduct.

### **1.3 DNNP Management Statement of Commitment**

EVP, DNNP is committed to and accountable for the effectiveness of the Management System defined in this Charter and the Nuclear Safety Policy.

All Board of Director and Presidential policies of the corporation shall be adhered to in keeping with the values of the business. All DNNP directors and supporting organizations are accountable for implementation and adherence with this Charter and supporting governance.

Every employee and contractor (staff) in the DNNP organization is responsible for and shall be held accountable for complying with expectations in this document and supporting governance. They shall ensure that their actions are deliberate and consistent with business excellence and protecting the health, safety, security of staff, the public, the environment and company assets. These expectations also apply to OPG staff from other organizations supporting DNNP. All employees shall respect the requirements of the Nuclear Safety Policy and OPG Code of Business Conduct

The majority of the detailed work associated with DNNP will be performed by a project company. However, as the licensee's representative the EVP, DNNP is accountable to the CNSC to ensure that reasonable measures to protect the safety of the public and workers, to protect the environment, to preserve national security, and to achieve the international obligations that apply to nuclear projects, are established and implemented from site evaluation to commercial operation. This is accomplished by ongoing and intrusive oversight to assure that the project company has defined and implemented its own Management System.

### **1.4 DNNP Operating Model**

The DNNP operating model provides the owner with overall direction and integration, establishes the performance requirements, and enters into a contract with an EPC Company for provision of the Nuclear Power Plant (NPP). The owner obtains site approval and CNSC licences, manages the contract, and assures the site preparation, design, supply chain, constructing, commissioning, and initial operations meet requirements. This is accomplished through financial, engineering and project reviews, audits, surveillance, inspection, and testing. Refer to Figure 1, DNNP Project Life Cycle.

The project life cycle responsibilities shall be addressed as follows:

- DNNP performs the site approval and CNSC licensing activities including the Environmental Impact Study (EIS).

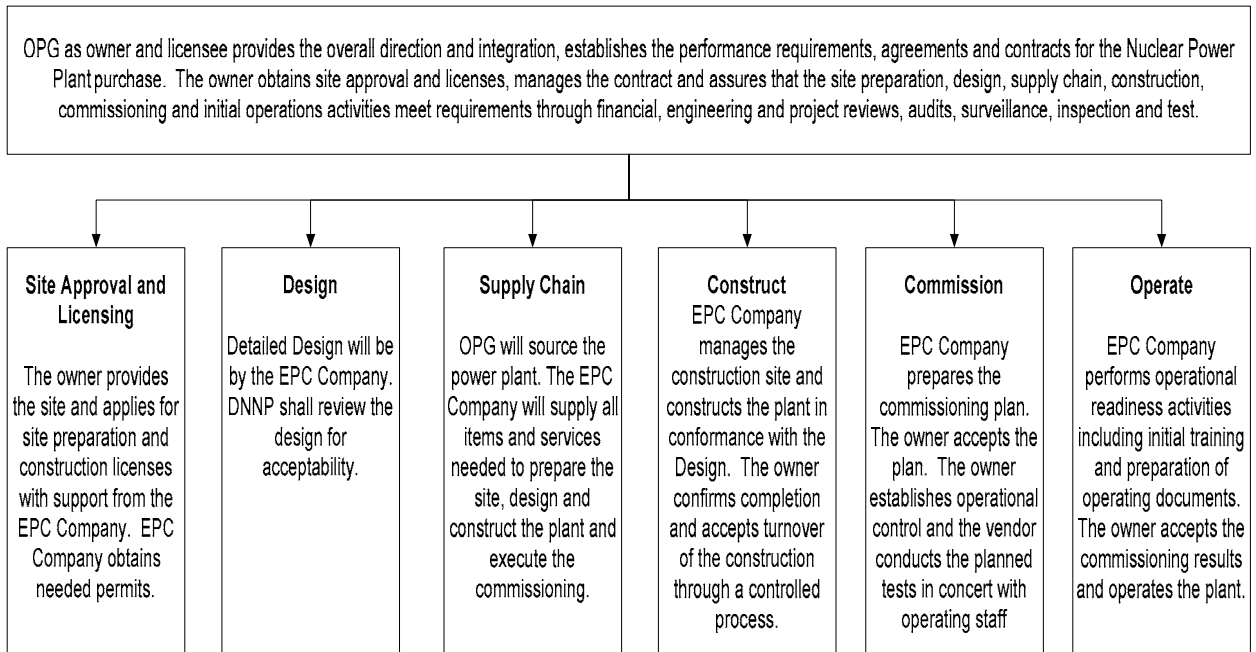
**Charter**

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 7 of 28

Title:  
**DNNP MANAGEMENT SYSTEM**

- The EPC Company performs the design, and OPG reviews the design to assure compliance with contractual and scope requirements, including regulatory requirements, applicable codes and standards, and considerations for operability and maintainability.
- The EPC Company prepares the site, procures materials and constructs the plant.
- Upon completion of construction but before any equipment is operated, DNNP through managed turnover, which shall include having knowledgeable and qualified staff, shall assume operational control of the equipment. From that time forward, the requirements of the OPG Nuclear Business Management System as defined in N-CHAR-AS-0002, Chief Nuclear Officer Expectations or equivalent controls shall apply to all operating activities.
- EPC Company prepares the commissioning plan and performs the commissioning in concert with the operating staff.
- DNNP and the EPC Company perform operational readiness activities as defined in the project agreement and when requirements are met, DNNP places the power plant into commercial operation.

During the site preparation, design, construction, and commissioning phases, DNNP shall ensure that there is effective integration between the DNNP and the EPC Company's Management Systems and DNNP shall maintain oversight to ensure the EPC Company is meeting their obligations.



**Figure 1. Darlington New Nuclear Project Life Cycle**

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 8 of 28
Title: <b>DNNP MANAGEMENT SYSTEM</b>			

### 1.5 Governance Framework

Good business practices, OPG's mission and vision statements, code of ethics, and legal, regulatory, licensing, and commitments recognize that there are hierarchical authority and administrative levels associated with safe and ethical conduct of a successful business.

Figure 2, Ontario Power Generation Governance Framework Relationships, demonstrates the relationships amongst OPG's external requirements, OPG Governance framework, and governance support documents required to provide OPG with compliant, consistent, and cost-effective control of its business.

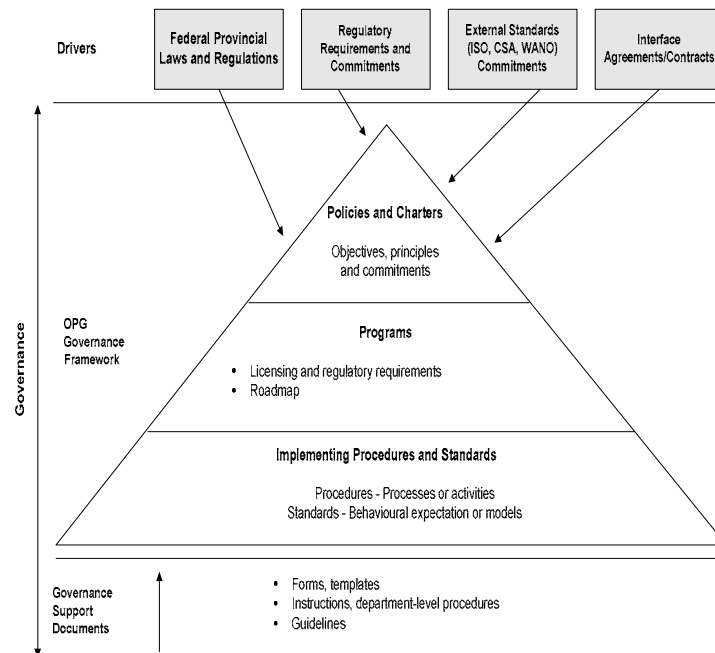


Figure 2. Ontario Power Generation Governance Framework Relationships

#### 1.5.1 Ontario Power Generation Governance Framework

OPG Governance Framework consists of the following tiers of governing documents:

- Policy (POL)
- Charters (CHAR)
- Program (PROG)
- Procedure (PROC) and Standard (STD)

These governing documents are hierarchical and provide the management control required for OPG's business.

A balanced combination of written governance, worker skills and training, and supervision is required to ensure a Management System which supports safe and reliable operation.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 9 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

In general, governing documents contain only objectives, requirements, or processes required to comply with legal, regulatory, licensing requirements, commitments to external standards.

#### **1.5.2 DNNP Project Business Process Owners**

All DNNP business processes have clearly defined owners. The DNNP Charter owner is the EVP DNNP. DNNP process owners are the appropriate executive or senior managers aligned with the DNNP Organizational structure represented in Systems, Applications, and Products (SAP). Business process owners are responsible for planning, implementing and controlling their core business process in a manner consistent with regulatory requirements, management principles and the need for continuous business improvement to ensure effectiveness, efficiency, and compliance.

This includes the following:

- (a) Verifying that processes are mapped, measured, defined, and documented in consideration of safety, quality, quantity, timeliness, cost, stakeholder, methodology and resource requirements, including relevant licensing or adopted industry requirements.
- (b) Establishing, implementing and maintaining required processes, including delegating to others any or all aspects thereof, while retaining overall responsibility.
- (c) Ensuring the process and/or organizational interfaces and elements required to support processes are established, in consultation with appropriate interfacing process owners.
- (d) Ensuring the resources (qualified staff, information, facilities, special controls) required to support processes are provided.
- (e) Ensuring the performance of processes is adequately monitored, assessed, reported, and overseen, and that required corrective actions or desired enhancement opportunities are initiated and completed in a timely manner.
- (f) Ensuring records are prepared and filed to provide evidence that the resulting products meet requirements.

#### **1.6 N-POL-0001, Nuclear Safety Policy**

The Nuclear Safety Policy is approved by the OPG Board of Directors and has the following Policy statement.

OPG is committed to providing all prudent and necessary resources required to operate nuclear stations in a safe, reliable manner, secure nuclear sites, safeguard nuclear material, safeguard health and safety of workers, public and environment from radiological hazards, and prevent and mitigate the consequences of accidents, in compliance with applicable laws. The Board of Directors shall review nuclear safety performance on a regular basis.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 10 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

OPG shall govern its operations and performance to ensure that the risks associated with nuclear operations and activities are maintained at reasonable levels and that sound nuclear safety and defense-in-depth practices are in place and sustained. OPG shall work to establish and maintain a positive 'safety culture' that demonstrates a set of principles, attitudes and observable behaviors that ensure nuclear plant safety is the overriding priority among all staff within the business.

#### **1.7 DNNP Business Programs - Developed for Project Readiness**

A pre-requisite to receiving OPG Board approval is being able to demonstrate DNNP's readiness ("Project Readiness") to execute the project.

This section describes the specific process requirements that the DNNP Organization is either currently required to comply with or are required when the OPG Board of Directors approves the project. The DNNP Management System has been developed to meet the project readiness requirements.

Reference Appendix A for a tabular view of applicable DNNP processes that support the OPG Board of Directors and Presidential policies.

The DNNP Management System governing documents are being processed in accordance with OPG-PROC-0001.

DNNP governing documents provide the overriding DNNP Charter, programs, procedures and, standards for carrying out selected OPG processes that need particular rigour to ensure nuclear safety or similarly critical activities. The combination of Governance, Project Charter, Project Execution Plan (PEP) and project organization comprise a Management System that supports a successful project result.

Business processes have been created and will be implemented including a Project Execution Plan: NK054-PEP-01210-00001, DNNP Project Execution Plan

The PEP shall ensure the following:

- (a) Key issues important to the success of the project are identified, defined and understood at the earliest possible stage.
- (b) Project team members, end users, and line authority are provided with a common understanding of the Project and the planned method of execution.
- (c) Orientation is provided to new Project team members.

A specific PEP for Environmental Assessment and Licensing activities that are progressing during the RFP suspension period will be implemented.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 11 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **1.7.1 NK054-PROG-0014, DNNP Licensing, Permitting and Approvals**

Environmental Assessment activities and licensing approvals shall be controlled by DNNP including:

- (a) Preliminary site evaluation activities and licensing applications.
- (b) Execution of the site investigations, assessments, in situ work, laboratory tests and geotechnical analysis and evaluations, and documentation of results in sufficient detail for verification and regulatory review.
- (c) Conceptual engineering activities performed in the different stages of the site evaluation.
- (d) Environmental assessment of the site, and applying for the site preparation and construction licences, by DNNP.
- (e) Obtaining site permits and licences.
- (f) EPC Company shall provide support for the environmental assessment, site preparation and operating licence, or alternative arrangements shall be made by DNNP to obtain this support.
- (g) Site preparation activities and licensing approvals shall be managed by the EPC company with oversight provided by DNNP including the following:
  - Construction of site facilities, structures and components that support the plant.
  - Any activity that may influence safety or be required to demonstrate acceptability of the site.
  - Verification activities.
  - Analysis of operating experience from failures at other facilities and from events in order to provide evidence that similar failures will not occur at the site.
- (h) EPC Company shall have primary responsibility for preparing the CNSC Construction Licence application for DNNP.
- (i) DNNP shall provide instruction and is responsible for submitting the Construction Licence application to the regulator.

Work activities identified in this project Charter that are of an engineering or technical nature shall meet the requirements of NK054-PROG-0001, Engineering Authority, Review and Oversight.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 12 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **1.7.2 NK054-PROG-0008, DNNP Project Controls**

The DNNP Project Controls Program monitors and manages activities affecting OPG and DNNP to achieve the following results:

- Scope, Cost, and Schedule Management
- Contingency Management
- Project reporting.

Project Control activities include oversight of the EPC Company, the Owner's Engineer (OE) and DNNP staff activities.

Project work done by DNNP during the RFP suspension period (primarily Environmental Assessment and Licensing activities) shall meet the intent of N-PROG-LE-0003 Nuclear Refurbishment Project Controls

#### **1.7.3 NK054-PROG-0001, Engineering Authority Review and Oversight**

The Design Authority, DNNP has the engineering authority to assure, on behalf of OPG, to the CNSC and the OPG Board of Directors that the new NPP to be procured has been designed in a manner that meets all applicable requirements. Even though the NPP is to be designed, procured, and constructed by an NPP provider, the Design Authority, DNNP shall establish appropriate programs, processes, audits, and organization to execute this authority through technical oversight and reviews of engineering deliverables through all phases of the DNNP.

The DNNP is being managed as an Engineer, Procure and Construct contract where an NPP provider designs, prepares the site, constructs, and commissions the NPP while OPG performs oversight and reviews of the design, safety analysis, supply chain, site preparation, construction, and commissioning activities and accepts the plant from the NPP provider and places it into operation.

The Design Authority, DNNP ensures the NPP provider meets the technical requirements of the agreement between OPG and the NPP provider, and all of the requirements of Canadian Standards Association (CSA) N286-05.

The Design Authority, DNNP has engaged a primary engineering agency to support this effort, referred to as the Owners Engineer.

This program establishes the requirements that personnel involved with DNNP engineering work and related activities are expected to be familiar with, subscribe to and implement in the course of performing their duties.

The DNNP organization may utilize some of the OPG Nuclear business governance systems infrastructure and functions to support its needs.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 13 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **1.7.4 NK054-PROG-0006, DNNP Environment**

The DNNP Environment program addresses the requirements contained in OPG-POL-0021, Environmental Policy, being performed by OPG and identifies the elements of the Policy delegated in whole or in part to the EPC Company. The Program also addresses the requirements contained in OPG-POL-0002, Biodiversity Policy, and OPG-POL-0020, Spills Management Policy, that apply to OPG.

The DNNP Environment Program shall conform to the International Organization for Standardization (ISO) 14001 Environmental Management System Requirements Standard and the expectations established by the CNSC.

The Program includes the environmental oversight that will be performed by OPG over the EPC Co. activities, including their responsibilities for environmental protection and spills management, the procedures that will be followed to ensure conventional waste arising from the site preparation activities is reduced to reasonably practical levels, and the procedures that will ensure reasonable measures are taken to monitor and report on the environmental performance achieved during the project, including monitoring of the actual effects of the project to confirm the environmental assessment predictions are not exceeded and the follow-up activities are performed.

#### **1.7.5 NK054-PROG-0003, DNNP Management System Oversight, Assessment and Improvement**

##### **1.7.6 Oversight and Assessment**

- Nuclear safety oversight shall be established to ensure that the requirements of N-POL-0001, Nuclear Safety Policy, are reinforced throughout DNNP. Effective oversight is critical for the maintenance of the nuclear safety barriers over the long term. In a healthy nuclear safety culture, people have internalized collectively, and demonstrate by their behaviors, that the hazards involved in their work are real and require attention and vigilance.
- DNNP staff shall adhere to approved governing documents as written. NK054-STD-0001, DNNP Procedural Usage and Adherence, ensures compliance to the DNNP Management System.
- The DNNP staff executes the required, initial qualification of the EPC Company's Management System and subsequent oversight via audits, assessments, surveillances, inspections, and reviews of the implementation of EPC Company's Management System.
- OPG internal assessments for audits, assessments, surveillances, inspections, and reviews shall confirm that DNNP and other OPG organizations that support DNNP are in compliance with the Management System governance and that the governance is effective.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 14 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

- Self-assessment activities shall be utilized to promote continuous improvement. Current performance shall be compared to management expectations, industry standards of excellence, OPEX, and regulatory requirements to identify areas needing improvement. Self-assessment results shall be promptly identified, communicated to affected groups or individuals, and resolved.
- Management System review shall, at assigned frequencies, provide an assessment of the DNNP Management System and report on its alignment with the requirements of CSA N286-05.

#### **1.7.7 DNNP Organization**

A functionally integrated project oversight management team, consisting of DNNP and other OPG supporting staff, has been formed to manage the project. This management team is empowered with the appropriate authority and has access to necessary resources to successfully execute the project. They are responsible for accomplishing Project goals by undertaking project planning, project configuration and by overseeing and monitoring all aspects of design, construction, commissioning, turnover and project closeout.

Organization charts for the project are maintained and posted on SAP™. DNNP staff job descriptions are managed and available via Human Resources.

DNNP Organizational Change Control will be managed in accordance with NK054-PROC-0026.

#### **1.7.8 Organizational Learning**

The DNNP organization shall strive for continual improvement of the Management System through organizational learning. This shall include:

(a) Corrective Action Management

The DNNP organization shall perform the following

Identify and provide solutions to adverse conditions that arise via a corrective action management process to provide requisite measures to ensure non-conformances such as failures, malfunctions, deficiencies or deviations on items, documents, services, activities, defective material and equipment, and abnormal occurrences are promptly identified, documented in sufficient detail, and reported.

Review non-conformances and take remedial actions determined by authorized individuals, executed, verified as necessary, and recorded.

Monitor, trend, and analyze non conformances to maximize system availability, and optimize performances and establish measures to assure recurring or serious nonconforming conditions are identified, documented, analyzed to determine causes,

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 15 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

communicated to appropriate levels of management, corrected to prevent recurrence, and monitored for effectiveness.

#### (b) Operating Experience

The DNNP organization shall establish consistent processes for evaluating and integrating OPEX information in DNNP including the following processes:

- Internal and Industry Information Process: Based on information received from nuclear sources, to initiate actions required to identify and address any vulnerabilities and weaknesses that could result in similar events or problems. Keep DNNP staff informed of relevant industry information.
- External Posting of Nuclear Events: Participate in nuclear industry information exchange by sharing information on events.
- Integration of OPEX Information into Procedures and Training: Based on information received from nuclear industry and internal sources, to initiate revisions to training programs, procedures and materials as required to prevent or correct related problems.

#### **1.7.9 NK054-PROG-0013, DNNP Training**

The DNNP organization shall ensure staff is adequately qualified for the task they are assigned. Staff may be deemed qualified on the basis of internal or external training and experience.

#### **1.7.10 OPG-POL-0001, Health and Safety Policy**

#### **1.7.11 NK054-PROG-0002, DNNP Health and Safety**

This program describes core elements of the Occupational Health and Safety Management System (OHSMS) and their interaction by providing a structured process to meet requirements of the OPG Health and Safety Policy and direction to related OHSMS documentation. The OHSMS applies to the health and safety of employees and other interested parties, such as visitors and contractors, who may be exposed to occupational health and safety hazards in Nuclear. OHSMS does not make any distinction between conventional, fire, and radiation safety.

#### **1.7.12 Ontario Power Generation Finance Policies**

DNNP shall be compliant with the following OPG Finance Policies:

- OPG-POL-0004, Corporate Risk Management Policy
- OPG-POL-0009, Financial Management and Internal Control Policy
- OPG-POL-0024, Delegation and Exercise of Authority
- OPG-POL-0025, Disclosure Policy

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 16 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

- OPG-POL-0026, Business Ventures with Partners.

#### **1.7.13 NK054-PROG-0009, DNNP Business Management and Internal Control**

Program defines the business management and internal control framework for DNNP. The DNNP Program elements work within the framework of and in supporting the overall Ontario Power Generation (OPG) Financial Program. The program elements work in collaboration with Financial Management and Internal Control, and Risk Management Policies to achieve the following results:

- (1) Effective and efficient financial management and control of all financial processes related to the Project.
- (2) Effective budgeting, forecasting and reporting systems for all Project activities to enable the monitoring of progress against financial and operational performance targets and metrics and evaluation of trends.
- (3) Effective management of Project risk such that risks are identified, prioritized and addressed as an integral part of the management process for the project.
- (4) The Project is in compliance with Corporate disclosure requirements.

In developing this program the following shall be considered:

A systematic approach to business definition, planning, and control shall be used. Business plans shall be developed including identification of the following:

- Inputs that can influence business goals, such as regulatory, and stakeholder requirements, and the business environment.
- Business objectives, performance measures, and targets.
- Plans and timeframes to achieve the objectives and targeted performance.
- Resources needed to accomplish the plans.
- Arrangements to ensure alignment within DNNP and with stakeholders.
- Arrangements for performance and financial reporting.

Business risks shall be identified and their mitigation factored into business plans.

Implementation of business plans shall be monitored to ensure effectiveness, and make adjustments if required.

For the duration of the RFP suspension period, DNNP shall follow the following corporate governance:

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 17 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

- OPG-POL-0004 Corporate Risk Management Policy ( Board Of Directors Policy)
- OPG-POL-0009 Financial Management And Internal Control (presidential Policy)
- OPG-POL-0024 Delegation And Exercise Of Authority Policy ( Board Of Directors Policy)
- OPG-POL-0024 Disclosure Policy ( Board Of Directors Policy)

#### **1.7.14 OPG-POL-0017, Purchasing and Asset Disposal Policy**

##### **1.7.14.1 NK054-PROG-0004, DNNP Supply Chain/Purchasing**

DNNP organization shall meet the requirements and intent of Policy OPG-POL-0017, Purchasing and Asset Disposal Policy, FIN-PROG-MM-001, Material and Service Management and FIN-PROG-CM-001, Contractor Management Program.

Infrastructure Ontario procurement process shall be used for initial project acquisitions during RFP.

Purchasing, of equipment, and services associated with DNNP, including the purchasing of the NNP, shall be controlled. These controls shall apply to the following:

- Preparation of purchasing requirements.
- Selection of qualified vendors based on their ability to supply an acceptable product or service, the acceptability of their Management System, their supply history and their price.
- Provision of the purchasing requirements to qualified EPC Company.
- Confirmation that the vendor understands the requirements including the applicable codes, standards, and specifications.
- Review of vendor proposals against requirements, resolution of any exceptions, and revision of requirements as necessary.
- Issuance of purchase documentation.
- Acceptance of the equipment or service.

If vendors are used to providing engineering support or other services for the organization, that are of a safety related nature, these vendors shall be on the OPG Nuclear - Approved Supplier List or work under the direction provided by this Charter and supporting governing documents.

#### **1.7.15 Ontario Power Generation Human Resources Policies**

DNNP shall be compliant with the following OPG Human Resource Policies.

- OPG-POL-0003, Compensation and Benefits Policy

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 18 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

- OPG-POL-0007, Employee and Labour Relations Policy
- OPG-POL-0010, Diversity and Human Rights Policy
- OPG-POL-0013, Code of Business Conduct
- OPG-POL-0022, Talent Management Policy.

#### **1.7.15.1 Personnel Performance Management**

Expected performance of personnel and the expected results of their performance shall be defined and communicated to them.

Performance shall be evaluated and compared against these expectations.

The DNNP organization shall comply with the Corporate Human Resources Performance Planning and Review process.

#### **1.7.16 OPG-POL-0027, Aboriginal Policy**

DNNP shall be compliant with the requirements of OPG Aboriginal Policy OPG-POL-0027.

#### **1.7.17 DNNP Change Control**

Changes shall be justified and be subject to review.

Change requirements, including the reason for changes, shall be identified and controlled. The level and extent of review may depend on the scope or complexity of the change, or its potential impact on objectives.

Persons reviewing proposed changes shall have an adequate understanding of the original and current requirements so as to allow assessment of the effect of the change.

Processes for managing change control shall be developed as required for each process area.

##### **1.7.17.1 DNNP Communication Protocol**

A communications protocol has been established for employees of OPG whose jobs put them in contact with the Respondents to the RFP by the Ontario Government for DNNP nuclear stations in Ontario.

This protocol has been created to ensure the integrity of the RFP process, and includes restrictions in the way the RFP Respondents communicate with OPG employees. This protocol is found on the OPG Nuclear intranet website.

#### **1.7.18 NK054-PROG-00XX, DNNP Records and Document Management**

For the duration of the DNNP project suspension phase, DNNP shall follow the corporate process as per OPG-PROG-0001: Records and Document Control.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 19 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

This program shall support OPG-POL-0012 and shall define processes to ensure documents utilized within DNNP are properly prepared, reviewed, approved, distributed, and controlled to guarantee the latest applicable documents are available in a timely manner and used.

Records shall be retained and stored to ensure official records, as defined in referenced procedures, and subsequent revisions are legible, retrievable, traceable, and available to provide documented evidence of implementation of the quality program.

This program ensures a current listing of all records generated or released by DNNP and provides a uniform retention schedule to ensure final disposition of records and documents is according to regulatory requirements.

Revision control and communication shall be established through an integrated information Management System.

#### **1.8 DNNP Business Programs - Defined to support the Environmental Impact Study Submission and Licence to Prepare Site**

The following business program areas are defined in more detail below to support the Environmental Assessment submission and the Licence To Prepare the Site.

Not all programs listed below shall be issued or implemented at the time of licence submissions.

##### **1.8.1 NK054-PROG-0015, DNNP Emergency Preparedness**

NK054-PROG-0015, DNNP Nuclear Emergency Preparedness Program is required due to a large portion of the DNNP site being with the Darlington Nuclear Generating Station (DNGS) exclusion zone. The DNNP Nuclear Emergency Preparedness Program provides a written basis for the scope, applicability and overall requirements required by NND to receive notification, implement and maintain its emergency response capability to protect all employees on the NND site in the event of a nuclear emergency at DNGS. The defined requirements of an exclusion zone specify that DNGS must maintain the legal authority to exercise control within the zone (*Class 1 Nuclear Facilities Regulations*). N-PROG-RA-0001, Consolidated Nuclear Emergency Plan, governs the response to a nuclear emergency at DNGS.

There are four key actions associated with a DNNP response to a nuclear emergency at DNGS:

- Protective Action Decision,
- Notification,
- Sheltering, and
- Evacuation.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 20 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

Protective Action Decisions, DNNP notification and the DNGS portion of coordinated evacuation will be governed by N-PROG-RA-0001 CNEP and implemented through the DNGS Emergency Response Manual instructions.

DNNP site personnel notification, Sheltering and DNNP site portion of a coordinated evacuation will be governed by DNNP Nuclear Emergency Preparedness Program and implemented through EPC Company documentation.

The DNNP Nuclear Emergency Preparedness Program is applicable to the Site preparation and construction phases of the project. Once nuclear fuel is delivered to the DNNP site, N-PROG-RA-0001 Consolidated Nuclear Emergency Plan will be applicable to the operations portions of the DNNP site under the operating licence. N-PROG-RA-0001 CNEP would be revised, approved and issued prior to the transition to the Operating and Maintenance Phase.

#### **1.8.2 NK054-PROG-0005, DNNP Construction**

The DNNP construction program shall be written in accordance with the requirements contained within CSA N286.05 and in a manner that satisfies the CNSC document "Guidelines for Construction Licence Applications for Nuclear Power Plants"

Construction oversight shall be provided by a site-based owners DNNP team led by the Director of Construction DNNP. Other monitoring will be conducted as required by the Director, Planning and Controls, DNNP.

Monitoring staff will be provided to ensure coverage of all construction locations and shifts. In particular, monitoring of critical work activities including the reactor building concrete pours and reactor installation will be provided on a full time basis during each and every production shift. A DNNP site construction office will be established.

Programs and procedures governing these activities shall be established prior to the submittal of the construction licence by the EPC and the DNNP staff. EPC programs and procedures will be reviewed and accepted by the Director, Construction, DNNP.

#### **1.8.3 DNNP Conduct of Commissioning**

Commissioning and testing shall be conducted in accordance within the requirements of N286.05 Management System Requirements for nuclear power plants and the PA as amended.

*EPC Company* shall prepare and maintain a commissioning and turnover plan for the commissioning and turnover of Units 1 and 2. This plan and its procedures will ensure that the design requirements and operating and maintenance strategies are met and support safe and efficient plant operation for the expected life of the facility. *EPC Company* shall retain sole responsibility for ensuring that the Unit 1 and 2 facilities are constructed in compliance with approved designs and meet other requirements specified by the governmental authorities and the CNSC. Execution of the commissioning and testing activities will be performed by an integrated team of *EPC Company* and OPG personnel in accordance with the commissioning

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 21 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

and turnover plan and procedures and within the requirements of the operating licence granted by the CNSC.

#### **1.8.4 DNNP Conduct of Maintenance**

DNNP Maintenance programs will be structured to ensure facility performance is maintained within parameters established in the design basis, and equipment malfunctions or deficiencies will be corrected in a timely manner and rarely recur. Specific attention will be paid to controlling release of systems and equipment for work, subsequent testing and eventual return to service.

These program describe the processes established to ensure safety of the public, site personnel, protection of the environment, and the availability of plant equipment for safe and reliable operation through effective implementation and control of maintenance activities.

The objectives listed above are primarily achieved by instituting effective maintenance programs, high standards, sufficient resources, monitoring and assessing performance, and holding personnel accountable for their performance.

The new units at Darlington will be maintained under the CNO and will meet or exceed the requirements contained in N-PROG-MA-0004 Conduct of Maintenance.

#### **1.8.5 DNNP Conduct of Operations**

Safety is an integral part of every operational decision. Activities related to the operation of equipment, systems, and structures are accomplished by highly qualified and authorized personnel in accordance with approved procedures that in turn are maintained consistent with facility design and licensing basis. DNNP Operating configuration is controlled to ensure authorized staff retains an understanding of the status of each generating unit and its supporting services.

Aspects of the operation of DNNP Nuclear facilities are conducted with a professional culture of "safety first" under the control of the Shift Manager whose approval is required to raise reactor power. An Authorized Nuclear Operator (ANO) may also provide approval for reduction of power or for shutdown of the reactor upon concluding that public or personnel safety would be in jeopardy if such action were not taken. This program establishes safe, uniform, and efficient operating practices for both normal and emergency situations to ensure safety of the public, environment, plant personnel, and plant equipment.

The new units at Darlington will be operated under the CNO and will meet or exceed the requirements contained in N-PROG-OP-0001 Conduct of Operations.

#### **1.8.6 NK054-PROG-0017, DNNP Security**

The DNNP Security Program for Site Preparation - NK054-PROG-0017 outlines the implementing instructions for OPG oversight of the EPC Company's security program and identifies the security-related interface activities between the EPC Company and OPG

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 22 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

Nuclear Security. This program is anticipated to evolve to ensure protective measures are appropriately aligned with changes in threat level and to maintain regulatory compliance. Every person who performs work in relation to DNNP site preparation including supporting OPG organizations and departments, external contractors and sub-contractors and EPC Company employees is part of this program. The DNNP - Security Program for Site Preparation meets requirements under Section 6.6 of the N286-05, Management System Requirements for Nuclear Power Plants.

Physical plant security is provided to minimize risk to the public, employees, environment, and the business, from sabotage, theft, or other criminal acts. The Nuclear Security program supports the need to protect Nuclear assets by:

- (a) Establishing an enhanced state of security readiness as a result of terrorism and commitments to the Canadian Nuclear Safety Commission (CNSC).
- (b) Maximizing the response capability to contain, mitigate, and terminate an event that has either occurred or is in progress.
- (c) Minimizing the adverse impact on legitimate plant staff or operations.

This program establishes proactive “best-in-business” security processes and conforms to the goals, objectives, and legislative requirements of the Corporation.

#### **1.8.7 DNNP Fire Protection**

This program establishes provisions to prevent, mitigate, and respond to fires such that fire risk to Nuclear workers, public, environment, Nuclear physical assets, and power generation, is acceptably low and controlled.

This program will meet or exceed the requirements established in N-PROG-RA-0012 Fire Protection.

#### **1.8.8 DNNP Work Protection**

This program ensures establishment of standards and procedures necessary for worker safety where work on equipment requires isolation or isolation and de-energization. Work Protection Program specifies continuous monitoring requirements necessary to ensure work practices used are safe, uniform, and effective. Effective implementation and control of work protection activities primarily are achieved by instituting high standards, providing a professional environment and sufficient resources, monitoring and assessing performance, and holding personnel accountable for their performance.

This program will meet or exceed the requirements established in N-PROG-MA-0015 Work Protection.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 23 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **1.8.9 DNNP Radiation Protection**

The Ontario Power Generation (OPG) Darlington New Nuclear Project (DNNP) Radiation Protection Oversight Program will provide the framework under which the DNNP organization shall ensure that the activities performed by OPG, and the activities performed by the Engineering, Procurement and Construction (EPC) Company satisfy the requirements of the Project Agreement, the Nuclear Safety and Control Act and all applicable regulations, and any other applicable codes and standards.

The DNNP Radiation Protection Oversight Program shall ensure that the EPC Company will develop and implement a series of standards and procedures for the conduct of activities within the operational nuclear site and with radioactive materials intended to achieve and maintain high standards of Radiation Protection including the achievement of the following objectives:

- (a) Controlling occupational and public exposure:
  - (1) Keeping individual doses below regulatory limits.
  - (2) Avoiding unplanned exposures.
  - (3) Keeping individual risk from lifetime radiation exposure to an acceptable level.
  - (4) Keeping collective doses As Low As Reasonably Achievable (ALARA), social and economic factors taken into account.
- (b) Preventing the uncontrolled release of contamination or radioactive materials from the nuclear sites through the movement of people and materials.
- (c) Demonstrating the achievement of (a) and (b) through monitoring.

This program will meet or exceed the requirements established in N-PROG-RA-0013 Radiation Protection.

#### **1.8.10 DNNP Nuclear Safeguards**

The DNNP Nuclear Safeguards program puts special controls in place to ensure Nuclear complies with Canada's commitment to the Nuclear Non-proliferation Agreement consistent with International Atomic Energy Agency requirements for storage and handling of Nuclear fuel throughout its lifecycle.

This program will meet or exceed the requirements established in N-PROG-RA-0015 Nuclear Safeguards.

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 24 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **1.8.10.1 DNNP Implementation of a Nuclear Waste Management Program**

Aspects of the DNNP that are required to be completed under the authority of the OPG NWMD Management System, including decommissioning planning, will be performed in accordance with the Quality Assurance (QA) Program that has been defined for NWMD activities in both N-CHAR-AS-0002 and in the Waste Management Program W-PROC-WM-0001.

#### **1.8.11 W-PROC-WM-0090, Decommissioning Planning**

In the event a Nuclear unit or station becomes no longer viable to operate and a decision is made to decommission a Nuclear unit or station, a decommissioning program shall be established consistent with requirements delineated in CSA standard 286.6, Decommissioning Quality Assurance for Nuclear Power Plants.

#### **1.9 DNNP External and Internal Interfacing Agreements**

Formal external and internal interfacing arrangements and understandings will be established for the following to ensure clarity of roles, responsibility, communication protocol and effective control.

- Darlington site
- OPG Nuclear Security
- Corporate support functions including Human Resources, Business Services and Information Technology, Finance, Law, Energy Markets and Corporate Affairs
- Hydro One
- Saint Mary's Cement
- Government of Ontario
- Municipality of Clarington
- Region of Durham
- Ministry of Transportation Ontario
- CN Rail
- Ontario Power Authority
- Ontario Energy Board
- Owner's Engineer

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 25 of 28

Title:

## DNNP MANAGEMENT SYSTEM

**Note:** Interfacing arrangements with the EPC Company will be established through the terms and conditions of the project agreement.

## 2.0 DEFINITIONS AND ACRONYMS

### 2.1 Definitions

None

### 2.2 Abbreviations and Acronyms

<b>CHAR</b>	- Charter
<b>CNO</b>	- Chief Nuclear Officer
<b>CNSC</b>	- Canadian Nuclear Safety Commission
<b>CSA</b>	- Canadian Standards Association
<b>DNNP</b>	- Darlington New Nuclear Project
<b>EPC</b>	- Engineering, procurement and construction
<b>EVP</b>	- Executive Vice-President
<b>IAEA</b>	- International Atomic Energy Agency
<b>IO</b>	- Infrastructure Ontario
<b>ISO</b>	- International Organization for Standardization
<b>NPP</b>	- Nuclear Power Plant
<b>OPEX</b>	- Operating Experience
<b>OPG</b>	- Ontario Power Generation
<b>PEP</b>	- Project Execution Plan
<b>POL</b>	- Policy
<b>PROC</b>	- Procedure
<b>PROG</b>	- Program
<b>REMP</b>	- Radioactive Environmental Management Program
<b>RFP</b>	- Request for Proposal
<b>SAP</b>	- Systems, Applications, and Products
<b>STD</b>	- Standard

## 3.0 REFERENCES

- CSA N286-05, Management System Requirements for Nuclear Power Plants, February 2005
- International Organization for Standardization 14001 Environmental Management System Requirements Standard
- NK054-PCH-01210-00001, DNNP Project Charter
- OPG-PROC-0001, Process Corporate Line of Business Administrative Governance Documents

## Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 26 of 28

Title:

### **DNNP MANAGEMENT SYSTEM**

#### **4.0 REVISION SUMMARY**

This is an intent revision.

- NK054-CHAR-0001 SPOC changed from Bob Goodman to Dean Betts to Hemant Mistry.
- Section 1.1, Included a statement relating to the DNNP suspension.
- Section 1.7.4 “Chief Engineer” changed to “Director Engineering” or “office of the Director Engineering” and further changed to “Design Authority for DNNP”
- Section 1.7.3 NK054-PROG-0008 DNNP Project Controls activities will be accomplished via N-PROG-LE-0003 Project Controls for the duration of the project 2009 suspension.
- Section 1.7.5 NK054-PROG-0006, DNNP Environment, added. This program was developed to support the Project Readiness phase.
- Section 1.8.1, Relocated the records and document management from Section 1.7 to Section 1.8 to show development of this DNNP Program is required to support the Environmental Impact Study and Licence to Prepare the Site.
- Section 3.0 Added International Organization for Standardization 14001 Environmental Management System Requirements Standard
- Section 1.8 expanded to provide brief descriptions of each program required to support the Environmental Impact study and Licence to Prepare the Site.
- Appendix A updated to remove asterisk showing which documents were not required for project readiness.

# Charter

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 27 of 28

Title: <b>DNNP MANAGEMENT SYSTEM</b>
-----------------------------------------

## Appendix A: Darlington New Nuclear Project Management System Business Processes

Ontario Power Generation Policies		Darlington New Nuclear Project Programs	
Policy Number	Policy Title	Program Number	Program Title
N-POL-0001 OPG-POL-0023	Nuclear Safety Policy Management System Policy	NK054-PROG-0001	Engineering Authority Review and Oversight
		N-PROG-LE-0003 (Supersedes NK054-PROG-0008)	Project Controls
		NK054-PROG-0003	DNNP Management System Oversight Assessment and Improvement
		NK054-PROG-0013	DNNP Training
		NK054-PROG-0014	DNNP Licensing, Permitting and Approvals
		NK054-PROG-0005	DNNP Construction
		Number not assigned	DNNP Commissioning
		Number not assigned	DNNP Maintenance
		Number not assigned	DNNP Operations
		Number not assigned	DNNP Fire Protection
		Number not assigned	DNNP Work Protection
		Number not assigned	DNNP Radiation Protection
		Number not assigned	DNNP Nuclear Safeguards
		Number not assigned	DNNP Implementation of Nuclear Waste Management
Number not assigned	DNNP Radioactive Environmental Management		
OPG-POL-0027	Aboriginal Policy	DNNP shall be compliant with the requirements of the POL directly.	
OPG-POL-0012	Information Management Policy	Number not assigned	DNNP Records and Document Control
OPG-POL-0006	Emergency Management Policy	NK054-PROG-0015	DNNP Emergency Preparedness
OPG-POL-0001	Health and Safety Policy	NK054-PROG-0002	DNNP Health and Safety
OPG-POL-0021	Environmental Policy	NK054-PROG-0006	DNNP Environment
OPG-POL-0004 OPG-POL-0009 OPG-POL-0024 OPG-POL-0025 OPG-POL-0026	Finance Policies <ul style="list-style-type: none"> <li>Corporate Risk Management</li> <li>Financial Management and Internal Control</li> <li>Delegation and Exercise of Authority</li> <li>Disclosure Policy</li> <li>Business Ventures with Partners</li> </ul>	NK054-PROG-0009	DNNP Business Management and Internal Controls

**Charter**

Applicability: Darlington New Nuclear Project	Effective Date: Immediate	Review Date: 3 Years	Usage Classification: Information
Document Number: NK054-CHAR-0001	Sheet Number: N/A	Revision Number: R003	Page: 28 of 28

Title: <b>DNNP MANAGEMENT SYSTEM</b>
-----------------------------------------

Ontario Power Generation Policies		Darlington New Nuclear Project Programs	
Policy Number	Policy Title	Program Number	Program Title
OPG-POL-0017	Purchasing and Asset Disposal Policy	NK054-PROG-0004	DNNP Supply Chain
OPG-POL-0003 OPG-POL-0007 OPG-POL-0010 OPG-POL-0013 OPG-POL-0022	<u>Human Resources Policies</u> Compensation and Benefits Employee and Labor Relations Diversity and Human Rights Code of Business Conduct Talent Management	DNNP shall adhere to Corporate HR processes directly.	
OPG-POL-0019	Security Risk Management Policy	DNNP Program number not yet assigned	DNNP Security
OPG-POL-0018	Real Estate Policy	DNNP shall adhere to Corporate Real Estate processes directly.	