



Serial: RNP-RA/09-0071

AUG 12 2009

Bobbi Coleman  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2, SITE ID #00568-2

MONITORING WELL SAMPLE RESULTS

Dear Ms. Coleman:

By letter dated April 14, 2009, the South Carolina Department of Health and Environmental Control approved installation of five (5) onsite sampling wells at the H. B. Robinson Steam Electric Plant, Unit No. 2. As requested in the letter, Progress Energy Carolinas, Inc., also known as Carolina Power and Light Company, is submitting the well sampling results as an attachment to this letter.

The wells were initially sampled the week of June 15, 2009. Follow-up sampling and analysis has resulted in the correspondence delay discussed by members of my staff in a telephone conversation with you on June 24, 2009.

If you have any questions concerning this matter, you may contact Mr. C. T. Baucom, Manager - Support Services - Nuclear, at (843) 857-1253.

Sincerely,

W. Scott Saunders  
Plant General Manager  
H. B. Robinson Steam Electric Plant, Unit No. 2

GRS/grs

Attachment

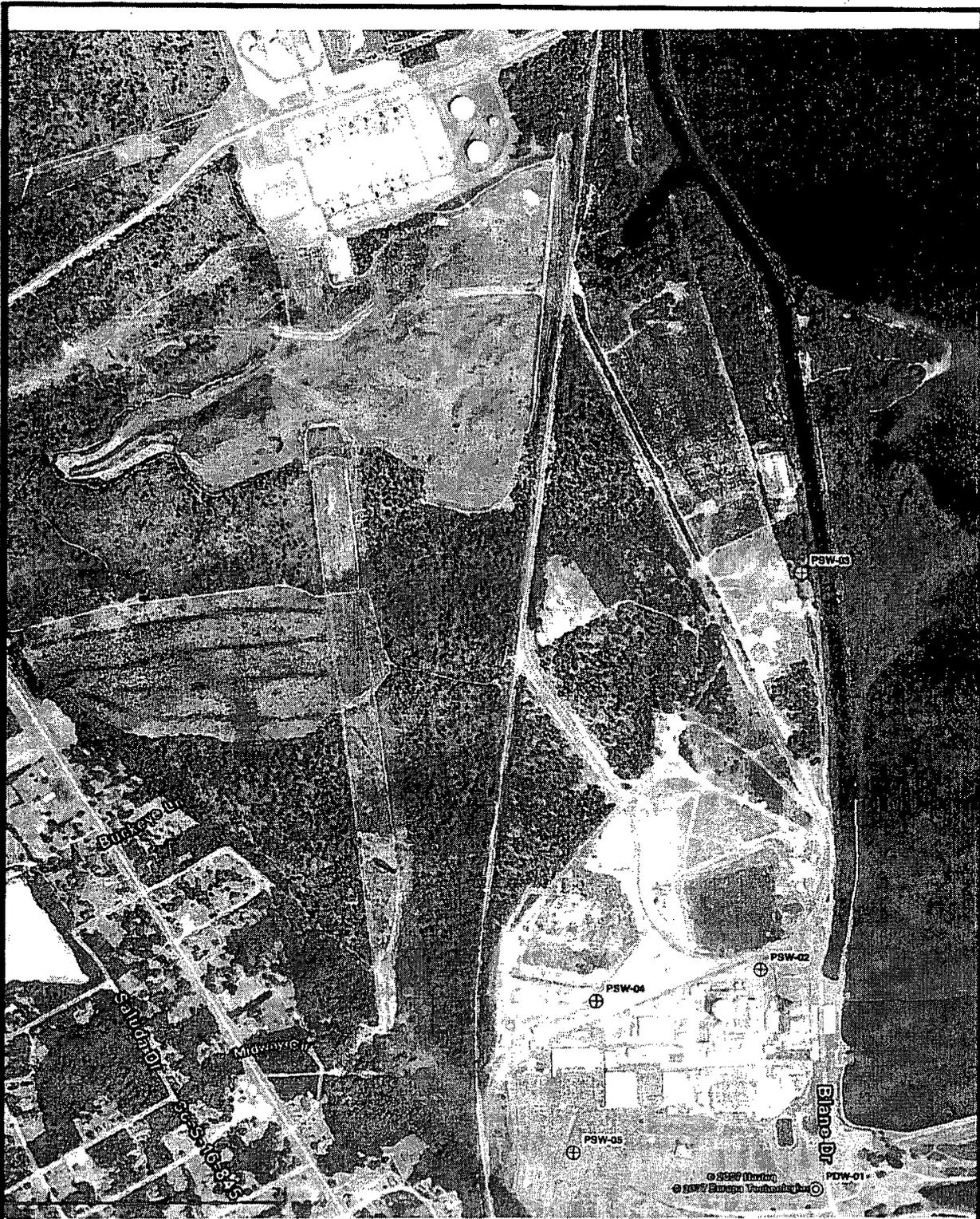
Progress Energy Carolinas, Inc.  
Robinson Nuclear Plant  
3561 West Entrance Road  
Hartsville, SC 29550

EE-2

**H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2**  
**SITE ID #00568-2**

**ONSITE MONITORING WELL SAMPLE RESULTS**

Monitoring Well	Depth to Water (feet)	Tritium (pCi/L)	Plant-Related Gamma (pCi/L)
PSW-02	5.94	582	<LLD
PSW-03	17.17	301	<LLD
PSW-04	15.06	448	<LLD
PSW-05	19.41	440	<LLD
PDW-01	23.78	<LLD	<LLD



**Legend**

- ⊕ Shallow Monitoring Well
- ⊙ Deep Monitoring Well



Source: Aerial Photography was adapted from GoogleMap Pro.

600 300 0 600 Feet



SCALE



PROJECT  
**PROGRESS ENERGY INC.  
 ROBINSON NUCLEAR PLANT  
 HARTSVILLE, SC**

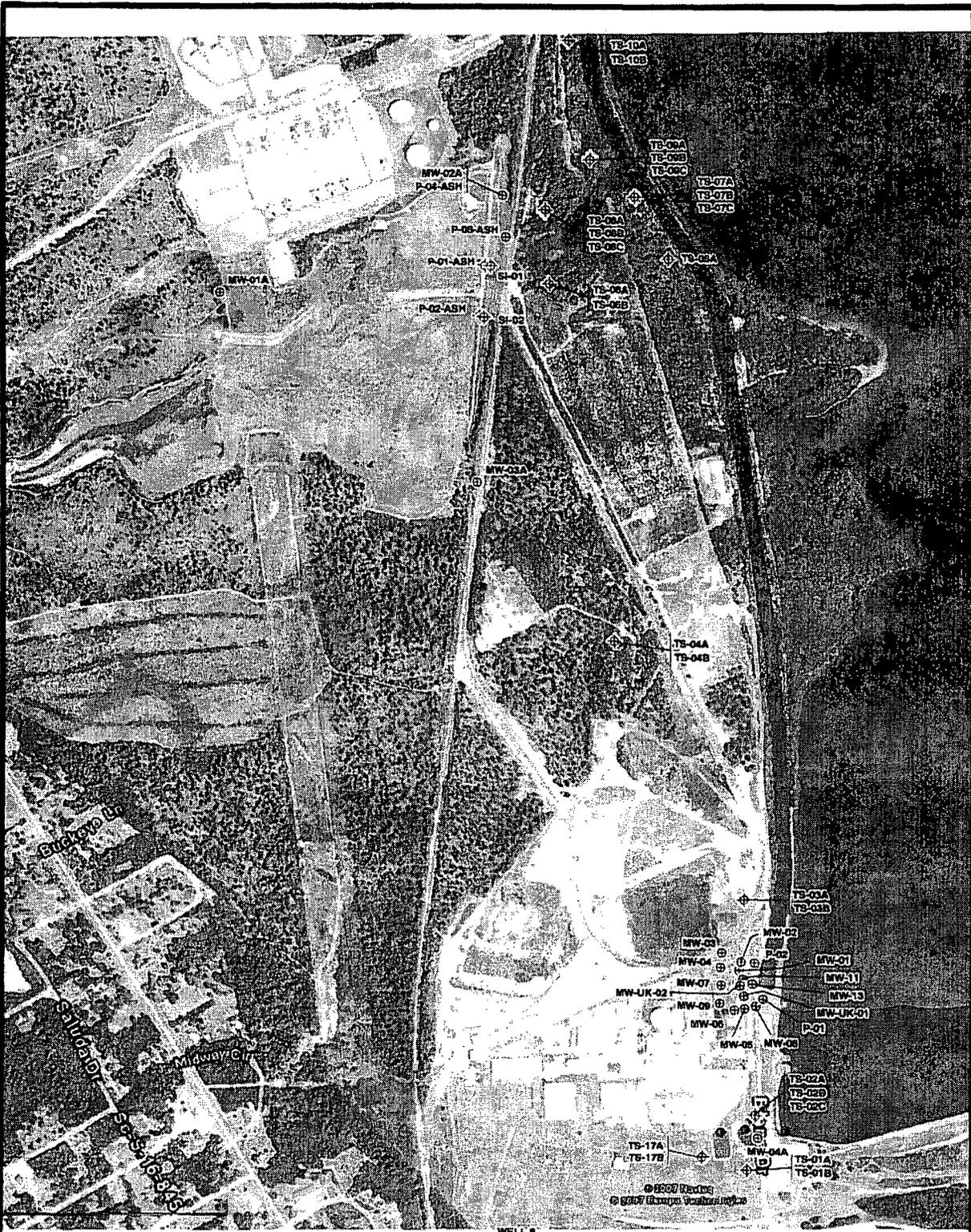
TITLE  
**Proposed Additional Monitoring Wells**

FIGURE

**22.0**

JOB NO: 208-087 DATE: JULY 2008 SCALE: AS SHOWN DRAWN BY: EAC CHECKED BY: JRC

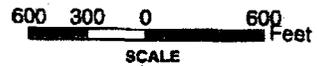
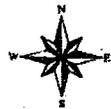




**Legend**

- ⊙ Monitoring Wells
- △ Irrigation Well
- ⊞ Pump House with Monitoring Well
- ⊕ Piezometer Wells or Piezometer Well Cluster
- Surface Water Elevation Locations

Source: Aerial Photography was adapted from GoogleMap Pro.



	PROJECT	TITLE	FIGURE
	PROGRESS ENERGY NUCLEAR POWER PLANT HARTSVILLE, SC	<b>WELL and PIEZOMETER LOCATIONS-          OVERALL SITE AREA</b>	<b>1</b>
DWG NO. 206-087	DATE: JUNE 2007	SCALE: AS SHOWN	DRAWN BY: THW
			CHECKED BY: RC

## SPECIAL REPORTING OF SPILLS/LEAKS AND WATER SAMPLE RESULTS

**NOTES:**

Special reporting is not required for subsequent sample results that are from the same plume and have already been reported in accordance with this attachment. Subsequent reports or communications should be evaluated for unexpected changes in reported conditions.

Notification time requirements for water samples that exceed the reporting criteria start following the notification of sample results from the applicable vendor or corporate laboratory to the RNP Environmental & Chemistry section.

Currently, RNP onsite groundwater is not used for drinking water. However, RNP onsite groundwater "may be used as drinking water," and therefore applicable reports should be made as designated below.

Informal notification to state/local offices per Items 2 and 3 below do not require four-hour notification of the NRC per 10 CFR 50.72(b)(2)(xi), unless the state/local officials indicate that a press release will be made.

When communicating to the state/local officials, be clear and precise in quantifying the actual release information as it applies to the appropriate regulatory criteria (i.e., put it in perspective).

For additional guidance (e.g., a listing of the information that should be provided and clarifications as to which leaks/spills have the potential to reach groundwater) see report NEI 07-07 (Final), "Industry Ground Water Protection Initiative – Final Guidance Document," August 2007.

1. If any sample result for onsite groundwater, that is or may be used as a source of drinking water, exceeds the reporting criteria of ODCM Table 4.1-2, then submit a special 30-day written report to the NRC. A copy of this report, or any 30-day written report required by the ODCM for offsite water samples, shall be forwarded to designated state/local offices and American Nuclear Insurers (ANI) listed below.
2. If any of the following samples exceed the reporting criteria of ODCM Table 4.1-2
  - Any offsite groundwater, or
  - Any offsite surface water, or
  - Any onsite groundwater that is or could be used as drinking water, or
  - Any onsite surface water that is hydrologically connected to groundwater,then make informal notification to the designated state/local offices and ANI listed below by the end of the next business day. Provide a copy of the information to NEI via email at [GW\\_Notice@nei.org](mailto:GW_Notice@nei.org).
3. If an inadvertent liquid spill or leak to the environment exceeding the following criterion has entered or has the potential to enter groundwater:

ATTACHMENT 11.14

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- Spill or leak that exceeds or may have exceeded 100 gallons from a source containing licensed material, or
- Any spill or leak, regardless of volume or activity, deemed by the licensee to warrant voluntary communication,

then make informal notification to the designated state/local offices and ANI as listed below by the end of the next business day. Provide a copy of the information to NEI via email at [GW\\_Notice@nei.org](mailto:GW_Notice@nei.org).

Designated state/local/ANI offices for notification:

- Office of the Darlington County Director of Emergency Management (843-398-4450)
- Office of the SC DHEC Director of Water Monitoring Assessment and Protection Division, Bureau of Water (803-898-4300)
- Office of the SC DHEC Director, Bureau of Radiological Health (803-545-4400)
- ANI (860-682-1341)