



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

September 22, 2005

Chip Burkhardt, Project Manager
Restoration Projects
Raytheon Company – Mail Stop 1880
528 Boston Post Road
Sudbury, MA 01776

Re: Authorization to Discharge Under the Remediation General Permit (RGP) -
MAG910000 to **Raytheon Company at Hartwell Road, Bedford, MA :**
Authorization # MAG910031

Dear Mr. Burkhardt,

The US Environmental Protection Agency (EPA) is notifying you that on September 9, 2005, EPA published a notice in the Federal Register (see enclosed) announcing the availability of the Remediation General Permit (RGP). You are receiving this letter because you own or operate a site or facility in Massachusetts (MA) and you previously submitted a National Pollution Discharge Elimination System (NPDES) permit application (Forms 1 & 2C). Our records also indicate that your site or facility has been covered previously under an EPA temporary permit exclusion letter.

Effective 30 days after receipt of this letter and authorization, this letter and authorization terminate any and all exclusion letters that EPA issued for your site or facility prior to this date and close out any and all NPDES applications submitted to EPA prior to this date for an individual permit for this discharge.

Based on the information contained in our files, EPA is authorizing you to discharge under the provisions of the Remediation General Permit (RGP) at this site, effective 30 days after receipt of this letter. Your authorization number is listed above. The RGP, Fact Sheet, response to public comments, suggested forms, and additional information can be found at: <http://www.epa.gov/region1/npdes/mass.html#dgp> (for discharges in MA) and <http://www.epa.gov/region1/npdes/newhampshire.html#dgp> (for discharges in NH), or at: EPA-NE, One Congress Street, Suite 1100 (CIP), Boston, MA 02114.

The enclosed checklist designates the monitoring parameters applicable to your discharge. However, note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of the general permit, including influent monitoring, narrative water quality standards,

If you believe that the discharge at your site or facility should not be covered by the RGP or this authorization, ***you must stop discharging within 30 days of receipt of this letter*** and submit to EPA (at the address above), by **October 10, 2005**, one of the following:

- (1) a Notice of Termination or other correspondence indicating that you are no longer discharging;
- (2) an updated NPDES permit application (Forms 1 & 2C) re-initiating the process for coverage under an individual NPDES permit; or
- (3) a Notice of Intent or other correspondence indicating current conditions and discharge characteristics.

Please note that if you apply for an individual NPDES permit, you must stop discharging within 30 days and submit an NPDES application to EPA a minimum of 180 days prior to discharge

Notice of this authorization, effective in 30 days, will be posted on EPA's website at: <http://www.epa.gov/region1/npdes/rgp.html>. This general permit authorization will expire on September 9, 2010.

Thank you in advance for your cooperation in this matter. Please contact George Papadopoulos at (617) 918-1579, or [Papadopoulos.George@epa.gov](mailto: Papadopoulos.George@epa.gov), if you have any questions.

Sincerely,



David M. Webster, Chief
Industrial Permits Branch

Enclosures

Cc: Paul Hogan, MA DEP

9/28/05

Summary of applicable monitoring parameters¹ under the Remediation General Permit (RGP)

Facility/Site Name: RAYTHEON BEDFORD Facility/Site Address: HARTWELL ROAD
9/22/05 MAG 910031 BEDFORD, MA

If checked, monitor the parameter	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)	If checked, monitor the parameter	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)
	1. Total Suspended Solids (TSS)	✓	28. Trichloroethylene (TCE)
	2. Total Residual Chlorine (TRC)		29. Vinyl Chloride (Chloroethene)
	3. Total Petroleum Hydrocarbons (TPH)		30. Acetone
	4. Cyanide (CN) ²		31. 1,4 Dioxane
	5. Benzene (B)		32. Total Phenols
	6. Toluene (T)		33. Pentachlorophenol (PCP)
	7. Ethylbenzene (E)		34. Total Phthalates
	8. (m,p,o) Xylenes (X)		35. Bis (2-Ethylhexyl) Phthalate
	9. Total BTEX ³		36. Total Group I Polycyclic Aromatic Hydrocarbons
	10. Ethylene Dibromide (EDB)		a. Benzo(a) Anthracene
	11. Methyl-tert-Butyl Ether (MtBE)		b. Benzo(a) Pyrene
	12. tert-Butyl Alcohol (TBA)		c. Benzo(b)Fluoranthene
	13. tert-Amyl Methyl Ether (TAME)		d. Benzo(k)Fluoranthene
	14. Naphthalene		e. Chrysene
	15. Carbon Tetrachloride		f. Dibenzo(a,h)anthracene
	16. 1,4 Dichlorobenzene (p-DCB)		g. Indeno(1,2,3-cd) Pyrene
	17. 1,2 Dichlorobenzene (o-DCB)		37. Total Group II Polycyclic Aromatic Hydrocarbons
	18. 1,3 Dichlorobenzene (m-DCB)		h. Acenaphthene
	19. Total dichlorobenzene		i. Acenaphthylene
	20. 1,1 Dichloroethane (DCA)		j. Anthracene
	21. 1,2 Dichloroethane (DCA)		k. Benzo(ghi) Perylene
	22. 1,1 Dichloroethylene (DCE)		l. Fluoranthene
✓	23. cis-1,2 Dichloro-ethylene (DCE)		m. Fluorene
	24. Dichloromethane (Methylene Chloride)		n. Naphthalene
✓	25. Tetrachloroethylene (PCE)		o. Phenanthrene
	26. 1,1,1 Trichloro-ethane (TCA)		p. Pyrene
	27. 1,1,2 Trichloro-ethane (TCA)		38. Total Polychlorinated Biphenyls (PCBs) ⁴
✓	Tetrahydrofuran	✓	2-Butanone (MEK)

If checked, monitor the parameter	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)	If checked, monitor the parameter	Parameter to be monitored (see Parts I.C. and I.D. and Appendix III of the RGP for specific limits and requirements)
	39. Antimony	✓	53. Total Flow
	40. Arsenic	✓	54. pH Range for Class A & Class B Waters in MA
	41. Cadmium		55. pH Range for Class SA & Class SB Waters in MA
	42. Chromium III (trivalent)		56. pH Range for Class B Waters in NH
	43. Chromium VI (hexavalent)		57. Daily maximum temperature - Warm water fisheries
	44. Copper		58. Daily maximum temperature - Cold water fisheries
	45. Lead		59. Maximum Change in Temperature in MA - Any Class A water body
	46. Mercury		60. Maximum Change in Temperature in MA - Warm Water
	47. Nickel		61. Maximum Change in Temperature in MA - Cold Water and Lakes/Ponds
	48. Selenium		62. Maximum Change in Temperature in MA - Coastal
✓	49. Silver		63. Maximum Change in Temperature in MA - July to September
✓	50. Zinc		64. Maximum Change in Temperature in MA - October to June
✓	51. Iron		Other parameters (as indicated on NOI):
✓	52. Instantaneous Flow	✓	Manganese

Footnotes:

1. This checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of the remediation general permit (RGP), including influent monitoring, narrative water quality standards, etc. Operators must follow the RGP, including Parts I, II, and Appendices I - VIII in order to comply with the specific applicable requirements.
2. Limits for cyanide are based on EPA's water quality criteria expressed as micrograms (ug) of free cyanide per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
3. BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.
4. In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as "total PCBs is the sum of all homologue, all isomer, all congener, or all Aroclor analyses."