

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1 5 Post Office Square, Suite 100 BOSTON, MA 02109-3912

CERTIFIED MAIL

March 2, 2011

Walter Pelletier, Owner Beede Electrical Co., Inc. 88 Village Street Penacook, NH 03303

Re: Authorization to discharge under the Remediation General Permit (RGP) – 910000. Beede Electrical Instruments Co. Inc. site located at 88 Village Street, Penacook, NH 03303, Merrimack County, Authorization # NHG910003.

Dear Mr. Pelletier:

Based on the review of your Notice of Intent (NOI) submitted on behalf of your company Beede Electrical Instruments Co., Inc. for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Owner & Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants for which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Also, please note that the list of pollutants attached to this authorization is subject to a recertification if operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA using a Notice of Change (NOC) within six (6) to twelve (12) months of operations in accordance with the 2010 RGP requirements, and at that time the permittee is authorized to request deletion of influent parameters not present during the last six months of operations.

This general permit and authorization to discharge will expire on September 9, 2015. You have not reported a termination date; we presume it will continue indefinitely. If for any reason the discharge terminates at a time sooner than the expiration date, you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez. Victor@epa.gov, if you have any questions.

Sincerely,

David M. Webster, Chief Industrial Permits Branch

Enclosure

cc: Jeffrey Andrews, NHDES

2010 Remediation General Permit Summary of Monitoring Parameters [1]

NPDES Authorization Number:	י	NHG910003						
Date Authorization Issued:	March	, 2011						
Facility/Site Name:	Beede	Beede Electrical Instruments Co. Inc.						
Encility/Cita Address	88 Vi	llage Street, Penacook, NH 03303, Merrimack County,						
Facility/Site Address:	Email address of owner: wpelletir@beede.com; Phone n:603.753.6							
Legal Name of Operat	or:	Beede Electrical Instruments Co. Inc						
Operator contact name, title, and Address:		Walter Pelletier, Owner Beede Electrical Co., Inc.						
		Email: same as above						
Estimated Date of Con	pletion	: Not Provided						
Category and Sub-Cate	egory:	II- Sub-category A. Volatile Organic Compounds (VOCs) Only.						
Receiving Water:		Hoyt Brook						

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	<u>Parameter</u>	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	Total Suspended Solids (TSS)	30 milligrams/liter (mg/l) **, 50 mg/l for hydrostatic testing **, Me#60.2/5mL
	2. Total Residual Chlorine (TRC) ¹	Freshwater = 11 ug/l ** Saltwater = 7.5 ug/l **/ Me#330.5/ML 20ug/L
	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/l/ Me# 1664A/5.0mg/LmL
10.7	4. Cyanide (CN) 2, 3	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/l **/ Me#335.4/ML 5ug/L
	5. Benzene (B)	5ug/L /50.0 ug/l for hydrostatic testing only/ Me#8260C/ML 2 ug/L
√	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
√	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
√	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) ⁴	100 ug/l)/ Me#8260C/ML 2ug/L
121	10. Ethylene Dibromide (EDB) (1,2-Dibromoethane)	0.05 ug/l/ Me#8260C/ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l /Me#8260C/ML 10ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless
	<u>rajameer</u>	denoted by a **, in that case it will be a Monthly Average Limit)
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only (ug/L)/ Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only (ug/L) /Me#8260C/ML 10ug/L
	14. Naphthalene ⁵	20 ug/l /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/l /Me#8260C/ML 5ug/L
192	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/l /Me#8260C/ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/l /Me#8260C/ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/l /Me#8260C/ML 5ug/L
	18a. Total dichlorobenzene	763 ug/l - NH only /Me#8260C/ML5ug/L
(a.10)	19. 1,1 Dichloroethane (DCA)	70 ug/l /Me#8260C/ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/l /Me#8260C/ML 5ug/L
V	21. 1,1 Dichloroethene (DCE)	3.2 ug/I/Me#8260C/ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/l /Me#8260C/ML 5ug/L
d or	23. Methylene Chloride	4.6 ug/I/Me#8260C/ML 5ug/L
√	24. Tetrachloroethene (PCE)	5.0 ug/l /Me#8260C/ML 5ug/L
√	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/l/Me#8260C/ML 5ug/L
TEL S	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/l /Me#8260C/ML 5ug/L
√	27. Trichloroethene (TCE)	5.0 ug/l /Me#8260C/ML 5ug/L
2612	28. Vinyl Chloride (Chloroethene)	2.0 ug/l /Me#8260C/ML 5ug/L
La 120	29. Acetone	Monitor Only (ug/L) /Me#8260C/ML 50ug/L
√	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/l Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/l /Me#8270D/ML5ug/L,Me#604 &625/ML 10ug/L
or Men	33. Total Phthalates (Phthalate esters) ⁶	3.0 ug/L ** /Me#8270D/ML5ug/L,Me#606/ML 10ug/L& Me#625/ML 5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/l /Me#8270D/ML5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/l
	a. Benzo(a) Anthracene ⁷	0.0038 ug/l /Me#8270D/ML 5ug/L Me#610/ML 5ug/L& Me#625/ML 5ug/L
	b. Benzo(a) Pyrene ⁷	0.0038 ug/l /Me#8270D/ML 5ug/L Me#610/ML 5ug/L& Me#625/ML 5ug/L
	c. Benzo(b)Fluoranthene ⁷	0.0038 ug/l /Me#8270D/ML5 ug/L Me#610/ML5ug/L& Me#625/ML

ldjare	on Rustol	Effluent Limit/Method#/ML (All Effluent Limits are shown as					
	<u>Parameter</u>	Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)					
Alph	EXHIBITION ALL E	5ug/L					
27 189	d. Benzo(k)Fluoranthene ⁷	0.0038 ug/l /Me#8270D/ML 5ug/L, Me#610/ML5ug/L& Me#625/ML 5ug/L					
one e	e. Chrysene ⁷	0.0038 ug/l /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L					
MIN P	f. Dibenzo(a,h)anthracene ⁷	0.0038 ug/l /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L					
	g. Indeno(1,2,3-cd) Pyrene ⁷	0.0038 ug/l /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L					
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/l					
	h. Acenaphthene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug /L & Me#625/ML5ug/L					
	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML5ug/L & Me#625/ML 5ug/L					
	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML5ug/L					
	k. Benzo(ghi) Perylene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L					
711	I. Fluoranthene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML5ug/L					
	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML5ug/L & Me#625/ML 5ug/L					
	n. Naphthalene ⁵	20 ug/l / Me#8270D/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L					
	o. Phenanthrene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L					
	p. Pyrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML5ug/L					
	37. Total Polychlorinated Biphenyls (PCBs) 8, 9	0.000064 ug/L/Me#608/ML 0.5 ug/L					
√	38. Chloride	Monitor only/Me# 300.0/ML 0.1ug/L					

	AP Efficient Limits are shown to the companies of the companies of the companies and the companies are shown to the companies are shown to the companies and the companies and the companies are shown to the companies and the companies are shown to the companies are	Minimum Level = ML	Total Recoverable Metal Limit @ H 10 = 25 mg/l CaCO3 for Discharges in New Hampshire (ug/l) 11			
	Metal parameter		Freshwater	Saltwater		
	39. Antimony	aranthene **	5.6/M	L 10		
	40. Arsenic **		10/ML 20	36/ML20		
J\s	41. Cadmium **		0.8/ML 10	9.3/ML 10		
	42. Chromium III (trivalent) **		27.7/ML 15	100/ML 15		
	43. Chromium VI (hexavalent) **		11.4/ML 10	50.3/ML 10		
	44. Copper **	าลกรวลาเป็กอ	2.9/ML 15	3.7/ML 15		
	45. Lead **		0.5/ML 20	8.5/ML 20		
- C	46. Mercury **		0.9/ML 0.2	1.1/ML 0.2		
	47. Nickel **	Sand Wall (1977)	16.1/ML 20	8.2/ML 20		
-	48. Selenium **		5.0/ML 20	71/ML 20		
	49. Silver	U LA CALLETTA DE C	0.4/ML 10	2.2/ML 10		
IM.	50. Zinc **	30	37/ML 15	85.6/ML 15		
	51. Iron		1,000/	ML 20		

	Other Parameters	<u>Limit</u>
√	52. Instantaneous Flow	Site specific in CFS
V	53. Total Flow	Site specific in CFS
ra	54. pH Range for Class A & Class B Waters in MH	6.5-8.3; 1/Month/Grab ¹³
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab ¹³
V	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab ¹³
1\p)	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab ¹⁴
14.0	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab ¹⁴
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab ¹⁴
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab ¹⁴
- 0	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab ¹⁴
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab ¹⁴
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab ¹⁴
	64. Maximum Change in Temperature in MA – Any Class SB water body - October to June	4°F; 1/Month/Grab ¹⁴

Footnotes:

¹ Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).

² Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.

³ Although the proof of the cyanide must be reported.

³ Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).

⁴ BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.

⁵ Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.

⁶ The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of

the test method used as listed in Appendix VI.

Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁷ Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as

listed in Appendix VI.

⁸ 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 "Oroclor analyses." Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁹Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

¹⁰ Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are

Hardness Dependent.

For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF \times 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 \times 2 =2,000 ug/L, etc. not to exceed the DF=5.

Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

Temperature sampling per Method 170.1

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of facility/site : Beede Electrical Instr	Facility/site mailing address:									
Location of facility/site : longitude: 71 36 00 latitude: 43 17 00	Facilit code(s	•	Street:	88 Village Street	reet					
b) Name of facility/site owner:			Town:	Penacook						
Email address of facility/site owner: wpelletier@beede.com Telephone no. of facility/site owner: 603-753-6362					Zip: 03303		County: Merrimack			
Fax no. of facility/site owner : 603-753-4926 Address of owner (if different from site):				Owner is (check one): 1. Federal 2. State/Tribal 3. Private 4. Other if so, describe:						
Street: 43 Misty Oak Drive			<u> </u>							
Town: Concord	State:	NH	Zip: 0	3301	County:	Merrimack				
c) Legal name of operator :	Opera	tor tel	ephone 1	10: 603-753-6362						
	Opera	itor fax	k no.: 603-753-4926		Operator email: wpelletier@beede.com					
Operator contact name and title: Walter P. I	Pelletier,	CEO/Ow	/ner							
Address of operator (if different from owner):	Street:									
Town:	State:		Zip:		County:					

d) Check Y for "yes" or N for "no" for the following: 1. Has a prior NPDES permit exclusion been granted for to 2. Has a prior NPDES application (Form 1 & 2C) ever be Y O NO, if Y, date and tracking #: NHG910003 3. Is the discharge a "new discharge" as defined by 40 CF 4. For sites in Massachusetts, is the discharge covered und permitting? YONO	en filed for the discharge?
e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y O NO If Y, please list: 1. site identification # assigned by the state of NH or MA: 198401012 2. permit or license # assigned: 198401012-C-004 3. state agency contact information: name, location, and telephone number: Groundwater Permits Coordinator, NHDES Waste Management Division, PO Box 95, Concord, NH 03302 603-271-3644	f) Is the site/facility covered by any other EPA permit, including: 1. Multi-Sector General Permit? Y O N O, if Y, number: 2. Final Dewatering General Permit? Y O N O, if Y, number: 3. EPA Construction General Permit? Y O N O, if Y, number: 4. Individual NPDES permit? Y O N O, if Y, number: 5. any other water quality related individual or general permit? Y O N O, if Y, number:
g) Is the site/facility located within or does it discharge to	an Area of Critical Environmental Concern (ACEC)? Y O N O
h) Based on the facility/site information and any historica discharge falls.	al sampling data, identify the sub-category into which the potential
Activity Category	Activity Sub-Category
I - Petroleum Related Site Remediation	A. Gasoline Only Sites B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) C. Petroleum Sites with Additional Contamination
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites B. VOC Sites with Additional Contamination C. Primarily Heavy Metal Sites
III - Contaminated Construction Dewatering	A. General Urban Fill Sites B. Known Contaminated Sites

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites C. Hydrostatic Testing of Pipelines and Tanks D. Long-Term Remediation of Contaminated Sumps and Dikes E. Short-term Contaminated Dredging Drain Back Waters (if not covered						
	by 401/404 permit)						
2. Discharge information. Please provide information	n about the discharge, (attaching additional sheets as necessary) including						
a) Describe the discharge activities for which the owner	/applicant is seeking coverage:						
Effluent from groundwater pump and treat system (air stripping),	CVOC contaminated groundwater.						
b) Provide the following information about each dischar	·ge:						
	and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Is maximum flow a design value ? Y O N O its) Is average flow a design value or estimate? Estimate						
3) Latitude and longitude of each discharge within 100 ft pt.1: lat day 17 00 long 71 36 00 pt.2: lat pt.3: lat long pt.4: lat pt.5: lat long pt.6: lat pt.7: lat long pt.8: lat	long.; long.; long.;						
4) If hydrostatic testing, total volume of the discharge (gals): 5) Is the discharge interm Is discharge ongoing? Y	ittent O or seasonal O? O N O						
c) Expected dates of discharge (mm/dd/yy): start Ongoing	end						
d) Please attach a line drawing or flow schematic showing 1. sources of intake water. 2. contributing flow from the	ng water flow through the facility including: operation, 3, treatment units, and 4, discharge points and receiving						
waters(s). Attached							

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is believed present or believed absent in the potential discharge. Attach additional sheets as needed.

					Sample	Analytical	<u>Minimum</u>	Maximum dai	ly value	Average daily	value
<u>Parameter *</u>	<u>CAS</u> <u>Number</u>	Believed Absent	Believed Present	# of Samples	Type (e.g., grab)	Method Used (method #)	<u>Level</u> (ML) of <u>Test</u> <u>Method</u>	concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
Total Suspended Solids (TSS)		×									
2. Total Residual Chlorine (TRC)		×									
3. Total Petroleum Hydrocarbons (TPH)		×		1	grab	1664A	5	ND		ND	
4. Cyanide (CN)	57125	×									
5. Benzene (B)	71432	×		10	grab	8260B	5	ND		ND	
6. Toluene (T)	108883		×	10	grab	8260B	5	35		10	
7. Ethylbenzene (E)	100414	×		10	grab	8260B	5	ND		ND	
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207		X	10	grab	8260B	5/5	15		2	
9. Total BTEX ²	n/a		×	10	grab	8260B		50	0.0016	12	0.0004
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934	×		10	grab	8260B	5	ND		ND	
11. Methyl-tert-Butyl Ether (MtBE)	1634044	×		10	grab	8260B	5	ND		ND	
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	×		10	grab	8260B	50	ND		ND	

^{*} Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

² BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.
³ EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

<u>Parameter *</u>	<u>CAS</u> <u>Number</u>	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum dai	mass (kg)	Average daily concentration (ug/l)	w value mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	×		10	grab	8260B	5	ND		ND	
14. Naphthalene	91203	×		10	grab	8260B	5	ND		ND	
15. Carbon Tetrachloride	56235	×		10	grab	8260B	5	ND		ND	
16. 1,2 Dichlorobenzene (o-DCB)	95501	×		10	grab	8260B	5	ND		ND	
17. 1,3 Dichlorobenzene (m-DCB)	541731	×		10	grab	8260B	5	ND		ND	
18. 1,4 Dichlorobenzene (p-DCB)	106467	×		10	grab	8260B	5	ND		ND	
18a. Total dichlorobenzene		×		10	grab	8260B		ND		ND	
19. 1,1 Dichloroethane (DCA)	75343	×		10	grab	8260B	5	ND		ND	
20. 1,2 Dichloroethane (DCA)	107062	×		10	grab	8260B	5	ND		ND	
21. 1,1 Dichloroethene (DCE)	75354		×	10	grab	8260B	5	46		21	
22. cis-1,2 Dichloroethene (DCE)	156592	×		10	grab	8260B	5	ND		ND	
23. Methylene Chloride	75092	×		10	grab	8260B	5	ND		ND	
24. Tetrachloroethene (PCE)	127184		×	10	grab	8260B	5	22		19	
25. 1,1,1 Trichloro-ethane (TCA)	71556		×	10	grab	8260B	5	810	0.026	646	0.021
26. 1,1,2 Trichloro-ethane (TCA)	79005	×		10	grab	8260B	5	ND		ND	
27. Trichloroethene (TCE)	79016		X	10	grab	8260B	5	480	0.016	383	0.012

					Sample	Analytical	Minimum	Maximum dai	ly value	Average daily	value
<u>Parameter *</u>	<u>CAS</u> <u>Number</u>	Believed Absent	Believed Present	# of Samples	Type (e.g., grab)	Method Used (method #)	Level (ML) of Test Method	concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	×		10	grab	8260B	2	ND		ND	
29. Acetone	67641	×		10	grab	8260B	10	ND		ND	
30. 1,4 Dioxane	123911		×	3	grab	8260B	1	2.8	0.00009	1.7	0.00005
31. Total Phenols	108952	×		1	grab	8270D	1 to 5	ND		ND	
32. Pentachlorophenol (PCP)	87865	×		1	grab	8151	1	ND		ND	
33. Total Phthalates (Phthalate esters) ⁴		×		1	grab	8270D	1 to 5	ND		ND	
34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	117817	×		1	grab	8270D	5	ND		ND	
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		×		1	grab	8270D		ND		ND	
a. Benzo(a) Anthracene	56553	×		1	grab	8270D	0.1	ND		ND	
b. Benzo(a) Pyrene	50328	×		1	grab	8270D	0.1	ND		ND	
c. Benzo(b)Fluoranthene	205992	×		1	grab	8270D	0.	ND		ND	
d. Benzo(k)Fluoranthene	207089	×		1	grab	8270D	0.1	ND		ND	
e. Chrysene	21801	×		1	grab	8270D	0.1	ND		ND	
f. Dibenzo(a,h)anthracene	53703	×		1	grab	8270D	0.1	ND		ND	
g. Indeno(1,2,3-cd) Pyrene	193395	×		1	grab	8270D	0.1	ND		ND	
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		×		1	grab	8270D		ND		ND	

⁴ The sum of individual phthalate compounds.

					Sample	Analytical	Minimum	Maximum dai	ly value	Average daily	<u>value</u>
<u>Parameter *</u>	<u>CAS</u> <u>Number</u>	Believed Absent	Believed Present	# of Samples	Type (e.g., grab)	Method Used (method #)	Level (ML) of Test Method	concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	×		1	grab	8270D	0.1	ND		ND	
i. Acenaphthylene	208968	×		1	grab	8270D	0.1	ND		ND	
j. Anthracene	120127	X		1	grab	8270D	0.1	ND		ND	
k. Benzo(ghi) Perylene	191242	×		1	grab	8270D	0.1	ND		ND	
1. Fluoranthene	206440	×		1	grab	8270D	0.1	ND		ND	
m. Fluorene	86737	×		1	grab	8270D	0.1	ND		ND	
n. Naphthalene	91203	×		1	grab	8270D	0.1	ND		ND	
o. Phenanthrene	85018	×		1	grab	8270D	0.1	ND		ND	
p. Pyrene	129000	×		1	grab	8270D	0.1	ND		ND	
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	×		1	grab	8082	0.3	ND		ND	
38. Chloride	16887006	×									
39. Antimony	7440360	×									
40. Arsenic	7440382	×									
41. Cadmium	7440439	×									
42. Chromium III (trivalent)	16065831	×									
43. Chromium VI (hexavalent)	18540299	×									
44. Copper	7440508	×									
45. Lead	7439921	×									
46. Mercury	7439976	×									
47. Nickel	7440020	×									
48. Selenium	7782492	×									
49. Silver	7440224	×									
50. Zinc	7440666	×									
51. Iron	7439896	×		1	grab	200.7	50	ND		ND	
Other (describe):		×									

<u>Parameter *</u>	<u>CAS</u> <u>Number</u>	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum concentrati	ion mass (kg)	Average daily concentration (ug/l)	y value mas (kg
b) For discharges where metals are believed present, please fill out the following (attach results of any calculations): Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y O N O Step 2: For any metals which exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: DF: Metal: Metal: DF: Metal: Metal:											
4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including: a) A description of the treatment system, including a schematic of the proposed or existing treatment system: Down-well pumps draw water from 4 extraction wells. Water passes through an air stripper for treatment and is discharged near Hoyt Brook. See attached process diagram.											
b) Identify each applicable treatment unit (check all that apply):	Frac. ta	nation [Air stripper E De- hlorination	Other	vater separat		Equalization	on tanks 🗖	Bag filter	GAC filter	

c) Proposed average and maximum the treatment system: Average flow rate of discharge 10 Design flow rate of treatment system	gpm N	lons per minute) f Maximum flow rat gpm	_		rate(s) (gallons per minute) of gpm
d) A description of chemical additiv	es being used or	planned to be use	ed (attach MSDS s	heets):	
None					
5. Receiving surface water(s). Plea	se provide infor	mation about the r	eceiving water(s),	using separate sho	eets as necessary:
a) Identify the discharge pathway:				Wetlands	Other (describe):
b) Provide a narrative description of		athway, including	the name(s) of the	e receiving waters:	
Culvert surface water discharge to Hoyt Br	rook				
c) Attach a detailed map(s) indicatin 1. For multiple discharges, number t 2. For indirect dischargers, indicate The map should also include the loc on USGS topographical mapping), s	the discharges set the location of the ation and distant	equentially. The discharge to the ce to the nearest sa	e indirect conveya	nce and the discharell as the locus of	
d) Provide the state water quality cla	assification of th	e receiving water	В		
e) Provide the reported or calculated Please attach any calculation sheets	•	` -	,		cfs
f) Is the receiving water a listed 303				NO If yes, for	which pollutant(s)? Mercury (state-wide)
Is there a final TMDL? Y O N	If yes, for w	hich $\overline{\text{pollutant(s)}}$?	Mercury		

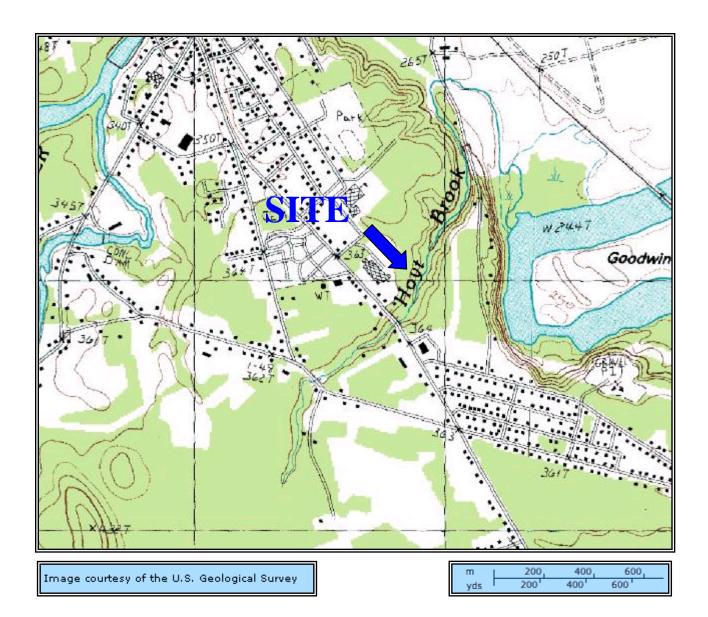
6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.
a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit? A O B O C O D O E O F O b) If you selected Criterion D or F, has consultation with the federal services been completed? Y O N O Underway O
c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y O N O No Jeopardy
d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.
e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit? 1 0 2 0 3 0
f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.
7. Supplemental information.
7. Supplemental information. Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.
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8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: Beede Electrical Instrument Co, Inc.
Operator signature: (all ell ell ell ell ell ell ell ell ell
Printed Name &Title: Walter P. Pelletier, CEO/ Owner
Date: 15/8/10



Map Based on USGS
Penacook, NH
Quadrangle Map
Provisional Edition 1987

LOCATION MAP

Beede Electrical Instrument Co. Penacook, New Hampshire

Provan & Lorber, Inc.
Project P0030 December 2010

