

Pennsylvania Department of Environment Protection Discharge Monitoring Report (DMR)

FACILITY: HART RESOURCE TECH MFG **PERMIT NUMBER:** PA0095443 **REGION:** EP Sw Rgnl Off Pittsburgh
PERMITTEE: HART RESOURCE TECH INC **OUTFALL:** 401 **COUNTY:** Indiana
 PO BOX 232 From: 2011-10-01 **CITY:** CREEKSIDE
ADDRESS: CREEKSIDE, PA 15732-0232 **MONITORING PERIOD:** To: 2011-10-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH Parameter Code: 00400 Stage Code: 1	Sample Measurement	*****	*****		8.92	*****	9.9	S.U.	0	2/month	Grab
	Permit Requirement	*****	*****		6.0 Minimum	*****	10.5 Maximum				2/month
Total Alkalinity (as CaCO3) Parameter Code: 00410 Stage Code: 2	Sample Measurement	*****	*****		75	*****	*****	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		0.0 Minimum	*****	*****				1/month
Total Acidity (as CaCO3) Parameter Code: 00435 Stage Code: 1	Sample Measurement	*****	*****		*****	<2	<2	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum				2/month
Total Suspended Solids Parameter Code: 00530 Stage Code: 1	Sample Measurement	*****	*****		*****	<5	<5	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	30 Average Monthly	60 Instantaneous Maximum				2/month
Oil and Grease Parameter Code: 00556 Stage Code: 1	Sample Measurement	*****	*****		*****	10.3	11.3	mg/L	0	2/month	Grab
	Permit Requirement	*****	*****		*****	15 Average Monthly	30 Instantaneous Maximum				2/month
Chloride Parameter Code: 00940 Stage Code: 1	Sample Measurement	*****	*****		*****	5443	6616	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum				2/month
Total Barium Parameter Code: 01007 Stage Code: 1	Sample Measurement	*****	*****		*****	1.97	2.43	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	14.64 Average Monthly	29.28 Daily Maximum				2/month
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		

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 PO BOX 232 From: 2011-10-01 **CITY:** CREEKSIDE
ADDRESS: CREEKSIDE, PA 15732-0232 **MONITORING PERIOD:** To: 2011-10-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
Total Iron Parameter Code: 01045 Stage Code: 1	Sample Measurement	*****	*****		*****	0.37	0.43	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	3.5 Average Monthly	7 Instantaneous Maximum			2/month	8-Hr Composite
Flow (mgd) Parameter Code: 50050 Stage Code: 1	Sample Measurement	*****	0.045	MGD	*****	*****	*****		0	Continuous	Measured
	Permit Requirement	*****	0.045 Daily Maximum		*****	*****	*****			1/day	Measured
Total Dissolved Solids Parameter Code: 70295 Stage Code: 1	Sample Measurement	*****	*****		*****	16450	19300	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			2/month	8-Hr Composite
Osmotic Pressure Parameter Code: 82550 Stage Code: 1	Sample Measurement	*****	*****		*****	258	289	mOs/kg	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	483 Average Monthly	980 Instantaneous Maximum			2/month	8-Hr Composite

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<i>HEBECIA SANDOZ COM SER</i>		<i>AKHYC</i>	214-349-8666	11/22/2011

Report all violations during the reporting period on a Non-Compliance Reporting Form, as an attachment to your eDMR submission.

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FACILITY: HART RESOURCE TECH MFG **PERMIT NUMBER:** PA0095443 **REGION:** EP Sw Rgnl Off Pittsburgh
PERMITTEE: HART RESOURCE TECH INC **OUTFALL:** 501 **COUNTY:** Indiana
ADDRESS: PO BOX 232 **MONITORING PERIOD:** From: 2011-10-01 **CITY:** CREEKSIDE
 CREEKSIDE, PA 15732-0232 **To:** 2011-10-31 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
		Value	Value		Value	Value	Value				
pH Parameter Code: 00400 Stage Code: 1	Sample Measurement	*****	*****		9.7	*****	9.87	S.U.	0	2/month	Grab
	Permit Requirement	*****	*****		6.0 Minimum	*****	10.5 Maximum			2/month	Grab
Total Alkalinity (as CaCO3) Parameter Code: 00410 Stage Code: 2	Sample Measurement	*****	*****		225	*****	*****	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		0.0 Minimum	*****	*****			1/month	Calculation
Total Acidity (as CaCO3) Parameter Code: 00435 Stage Code: 1	Sample Measurement	*****	*****		*****	<2	<2	mg/L	0	2/month	Grab
	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			2/month	8-Hr Composite
Total Suspended Solids Parameter Code: 00530 Stage Code: 1	Sample Measurement	*****	*****		*****	15.75	29	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	30 Average Monthly	60 Instantaneous Maximum			2/month	8-Hr Composite
Oil and Grease Parameter Code: 00556 Stage Code: 1	Sample Measurement	*****	*****		*****	7.85	9.5	mg/L	0	2/month	Grab
	Permit Requirement	*****	*****		*****	15 Average Monthly	30 Instantaneous Maximum			2/month	Grab
Chloride Parameter Code: 00940 Stage Code: 1	Sample Measurement	*****	*****		*****	91728	104726	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	Report Average Monthly	Report Daily Maximum			2/month	8-Hr Composite
Total Barium Parameter Code: 01007 Stage Code: 1	Sample Measurement	*****	*****		*****	4.80	5.1	mg/L	0	2/month	8-Hr Composite
	Permit Requirement	*****	*****		*****	13.78 Average Monthly	27.56 Daily Maximum			2/month	8-Hr Composite
Name/Title of Principal Executive Officer Or Authorized Agent	I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel 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, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).						Signature of Principal Executive Officer Or Authorized Agent	Telephone No	Date		

Hart Resource Technologies, Inc
Creekside Facility
NPDES Permit # PA 0095443
PADEP/EPA Supplemental Monthly Monitoring
October 2011
Outfall 401

Parameter	Method	10/5/2011	10/19/2011
Sulfate (mg/l)	D516-02	270	260
Bromide (mg/l)	D1246-99	149	107
Uranium (ug/l)	SW846 3005A	ND	ND
DL (ug/l)		0.67	0.067
RL (ug/l)		2	0.20
Gross Alpha (pCi/L)	EPA 900.0/SW 846 9310	10.2	-6.41
Uncertainty (pCi/L)		+/- 19.7	+/- 11.3
DL (pCi/L)		34.4	23.6
RL (pCi/L)		5	5.00
RA-228 (pCi/L)	EPA 901.1	-3.73	5.13
Uncertainty (pCi/L)		+/- 15.0	+/- 21.8
DL (pCi/L)		23.4	41
RL (pCi/L)			
RA-226 (pCi/L)	EPA 903.1 Modified	4.4	5.52
Uncertainty (pCi/L)		+/- 0.857	+/- 0.964
DL (pCi/L)		0.401	0.58
RL (pCi/L)		1.00	1.00

Hart Resource Technologies, Inc
Creekside Facility
NPDES Permit # PA 0095443
PADEP/EPA Supplemental Monthly Monitoring
October 2011
Outfall 501

Parameter	Method	10/5/2011	10/19/2011
Sulfate (mg/l)	D516-02	1300	1500
Bromide (mg/l)	D1246-99	766	6630
Uranium (ug/l)	SW846 3005A	ND	ND
DL (ug/l)		0.67	0.335
RL (ug/l)		2.00	1.00
Gross Alpha (pCi/L)	EPA 900.0/SW 846 9310	117	51
Uncertainty (pCi/L)		+/- 211	+/- 171
DL (pCi/L)		371	308.0
RL (pCi/L)		5.00	5.00
RA-228 (pCi/L)	EPA 901.1	2.63	8.31
Uncertainty (pCi/L)		+/- 26.8	+/- 19.4
DL (pCi/L)		45.5	37.5
RL (pCi/L)			
RA-226 (pCi/L)	EPA 903.1 Modified	1.24	3.08
Uncertainty (pCi/L)		+/- 0.536	+/- 0.670
DL (pCi/L)		0.615	0.347
RL (pCi/L)		1.00	1.00