ROUX

Date: October 29, 2024

To: Mr. David G. Pratt, P.E. and Ms. Kathryn Lovell, New York State Department of Environmental Conservation, Region 8, East Avon-Lima Road, Avon, NY 14414

From: Eric A. Warren, Roux Environmental Engineering and Geology, D.P.C.

Subject: **October 2024 Monthly Progress Report**
Patriot Way Site No. 828223
293 Patriot Way, Chili, NY

As scheduled, Regenesis Remediation Services (Regenesis) along with their drilling subcontractor utilized Direct Push Technology (Geoprobe) to complete 30 injection points of the amendment into the targeted overburden areas of the Site. These overburn injections started on Tuesday 10/1/24 and were completed on Friday 10/4/24. Roux Environmental personnel was onsite during this work to provide oversight, implement the Community Air Monitoring Program (CAMP) as described in the Remedial Action Work Plan (RAWP) and to communicate work progress with the NYSDEC representatives. Daily field reports were forwarded to Department for the duration of this work. After the injection work was completed, Regenesis submitted an Application Summary Report for Remedial Services at the Kaddis Manufacturing Site which is included in this report, please see the attached Exhibit A, which documents schedule, injection point locations, injection rates and photo log of the work.

Per the Remedial Action Work Plan (RAWP), Revised November 2022 and RAWP Addendum March 2024, monitoring wells MW-3 and MW4-B as well as temporary wells TMW-1A and MW-B were sampled for dissolved iron, total iron, sulfate, nitrate, total organic carbon (TOC) and target compound list (TCL) plus NYSDEC Commissioner Policy 51 (CP-51) VOCs. This post remedial well sampling was conducted and completed on October 24, 2024, within the three-month timeframe as stated in the RAWP Addendum. Once the analytical results are final and received, Roux will include them in the November 2024 Monthly Progress Report. The second sampling event is to be completed within the three-month timeframe from the date of the first round and the groundwater sampling will occur quarterly until closure of the project is issued or until otherwise determined by the Department.

Please feel free to let me know if you have any questions.

Sincerely,

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

Eric A. Warren

Eric A. Warren
Senior Scientist II/Project Manager

EXHIBIT 1

REGENESIS
REMEDIATION SERVICES
Technology-Based Solutions for the Environment

Global Headquarters
1011 Calle Sombra
San Clemente, CA 92673
Ph: (949) 366-8000
Fax: (949) 366-8090

10/09/24

REGENESIS Proposal No. ID70140

Roux Associates
2558 Hamburg Turnpike, Suite 300,
Buffalo, NY 14218

SUBJECT: Application Summary Report for Remedial Services at the Kaddis Manufacturing site

Eric,

REGENESIS Remediation Services (RRS) has recently completed an in situ injection application PlumeStop, S-MicroZVI, and Bio-Dechlor Inoculum Plus (BDI) at the Kaddis Manufacturing site located at 293 Patriot Way, Rochester, NY 14624. The goal of the remedial application was to address cVOC's impacts on-site following the planned excavation activities. These reagents will be applied via direct push injection.

RRS mobilized product, support pickup truck, injection trailer, and personnel to the site to begin work over 6 days on September twenty-ninth. RRS staffed this project with an experienced Project Supervisor who ensured a safe, successful injection application. After the remedial agent was applied, RRS flushed each well and injection point to ensure no particulate buildup occurs within the monitoring well.

Please review the attached application summary page, injection log, and photo log for more detail on the application.

RRS appreciates the opportunity to work at this site with Roux Associates. RRS will be available to interpret the field data as it is collected, or answer any questions. If you need additional information regarding the application process or attached field notes, please contact Will Clogan at 724.766.1811 or Dan Curry at 215.964.1928.

Sincerely,

William Clogan

Daniel Curry

Will Clogan
East Region Project Manager
REGENESIS Remediation Services

Daniel Curry
Project Supervisor
REGENESIS Remediation Services

cc: jmayer@regenesis.com; dcurry@regenesis.com; idoliana@regenesis.com; emaker@regenesis.com

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REGENESIS REMEDIATION SERVICES
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Summary Page

PLUME STOP Liquid Activated Carbon | S-Micro ZVI Sulfidated Zero-Valent Iron | BDI PLUS BIO-DECHLOR INOCULUM

OVERVIEW

Client: Roux
Client PM: Eric Warren
RRS Project Manager: William Clogan
RRS Project Supervisor: Daniel Curry

Site Address: 293 Patriot Way, Rochester, NY 14624
Project Name: Kaddis Manufacturing
Project Dates: 09/29/2024- 10/05/2024

REGENESIS Remediation Services (RRS) appreciates the opportunity to work with Roux Associates on the Kaddis Manufacturing site located in Rochester, New York. Injections took place over the course of 7 days, starting on 09/30/2024 with wells MW-4B and MW-7B. Next, injections moved to the Overburden area, comprised of two permeable reactive barriers (PRBs) and two PlumeStop grids installed at MW-3 and MW-4. The goal of this injection application was to achieve reduction of chlorinated volatile organic compounds (cVOCs) in groundwater. The *in-situ* sorption and biodegradation technology PlumeStop in conjunction with *in-situ* chemical reduction technology S-MZVI and bioaugmentation technology BDI Plus encompassed the approach for this remedial application.

On-Site Work Summary

RRS arrived on site the evening of 09/29/2024. The trailer was staged that night. The product had already been delivered and placed up against the Kaddis building. The next morning The product was moved via skid steer next to the staged trailer to enable easier mixing/pumping. Of the 32 injection locations, two were already existing wells (MW-4B and MW-7B), which comprised the Wells injection area. The remaining 30 injection points (IPs), the Overburden area, were marked according to the proposal dated September 6th 2024, resulting in two permeable reactive barriers and two PlumeStop grids. The water came from a hydrant on the northeastern side of the Kaddis property, pumped to the RRS trailer via fire hose. The solution was pumped into the wells via expansion plug on MW-4B, and NPT PVC Injection Cap on MW-7B. The tooling was installed by hand. 3-Foot Screens were used on the injection points, carried out by RRS and the on-site driller, Trec. The amount of locations pumped upon at one time varied from one to four. The average flow rate on the two wells sat around 4.19 gpm. The average pressure was about 22 psi. The average flow rate on the IPs was 3.70 gpm. The average pressure on the IPs was 19 psi. On 10/03/2024 a design change was approved and implemented. The implemented change was 8,728 ppm(mg/L) to 17,551 ppm(mg/L). Once an IP was completed Trec

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backfilled boreholes with sodium bentonite chips to grade and finished with blacktop for the eastern most permeable reactive barrier on the driveway.

Treatment Area 1 - Wells

Treatment Area 1 consisted of two wells, MW-4B and MW-7B. MW-7B is located North of the former underground storage tank (UST), on the far side of the Kaddis Manufacturing building. MW-4B is located West of the former UST. Both locations are detailed within Appendix-C. Work within Treatment Area 1 began on Monday September 30th. An expansion plug was used to begin pumping on MW-4B. Injection occurred at a bottom application depth of 48.5 ft bgs, and a top application depth of 38.5 ft bgs. Throughout the workday a total of 852.5 gallons were injected. Consisting of 801.48 gallons of water, 100 lbs of S-MicroZVI (6.62 gallons), 400 lbs of PlumeStop (44.40 gallons), and 2.5 liters of BDI. Regarding well MW-7B, an NPT PVC Injection Cap was attached to the begin injecting the product. Injection occurred at a bottom application depth of 48.5 ft bgs, and a top application depth of 43.5 ft bgs. In total 852.5 gallons was injected consisting of 801.48 gallons of water, 100 lbs of S-MicroZVI (6.62 gallons), 400 lbs of PlumeStop (44.40), and 2.5 liters of BDI. Following the completion of product injection, well MW-4B was flushed clear with 51 gallons of water. Upon completion of product injection well MW-7B was flushed with 101 gallons of water. The well was sampled and showed a slightly black color. Following, 50 more gallons were added to achieve a clear flush, totaling 151 gallons. Injection data regarding flowrates and pressure for MW-4B and MW-7B is listed below.

Average Flowrate (GPM)	Standard Deviation of Flowrate (GPM)	Median Flowrate (GPM)	Average Pressure (PSI)	Standard Deviation of Pressure (PSI)	Median Pressure (PSI)
4.19	0.90	15.00	22.00	17.83	4.45

Table 1: Average and median flowrates and average pressures.

A total of 800 pounds of PlumeStop and 200 pounds of S-MZVI was mixed and applied as a 11,333 ppm(mg/L) solution with a total volume of 1,705 gallons applied in the area. Additionally, 5 Liters of BDI Plus was administered.

Application Method: Expansion Plug (MW-4B). NPT PVC Injection Cap (MW-7B)
Injection Depth: 48.5 ft bgs – 38.5 ft bgs (MW-4B) 48.5 ft bgs – 43.5 ft bgs (MW-7B)
Number of Injection Points: 2

Deviations from Proposal: N/A

General Observations: N/A

Please see attached Table 3 (of injection logbook) for details on injection flow rates and pressures observed.

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Treatment Area Two - Overburden

Treatment Area Two consisted of 30 injection points (IP). All of the IPs were located west of the original containment tank on the Kaddis property. The prescribed vertical treatment interval was 10 ft. The bottom application depth being 18 ft bgs, and the top application depth being 8 ft bgs. Injection within these IPs began on the 10/01/2024. 442.7 gallons of solution were injected to each IP consisting of 421.60 gallons of mix water, 43 lbs of S-MicroZVI, 160 lbs of PlumeStop and roughly .43 liters of BDI. IP 2, 5, 25, 28, 29, 30 were lifted an extra foot out of the interval due to high pressure and no flow, extra foot of volume was redistributed. IP 6 was stopped short of targeted injection goal, due to surfacing from cracks towards the street. Partial redistribution into IP 5. IP 8 was drilled/moved north of IP 1. IP 11 was redistributed to IP 10. Refusal experienced at 18 feet within IP 14. Surfacing resulted near IP 15, and backfilled bore holes, targeted solution numbers were not met. IP 19 led to surfacing at MW-3, following, MW-3 was cemented. IP 13 and IP 18 received more solution, this was a redistribution from IPs 14, 16, 19, and 20. IP 20 was compromised and not injected in to. A design change was approved and implemented on 10/03/2024. This resulted in 221.4 gallons of solution per IP including 160 lbs of PlumeStop per IP, 43 lbs of S-MicroZVI, and .43 Liters of BDI. IP 23 hit refusal at 16 ft bgs, leading to redistribution of the 18 ft – 15 ft interval. IP 24 experienced refusal at 13 feet, leading to redistribution of the 18 ft bgs – 13 ft bgs intervals. IP 25 was lifted an extra foot due to high pressure.

Average Flowrate (GPM)	Standard Deviation of Flowrate (GPM)	Median Flowrate (GPM)	Average Pressure (PSI)	Standard Deviation of Pressure (PSI)	Median Pressure (PSI)
3.70	1.27	3.70	19.00	9.12	18.00

Table 2: Average and median flowrates and average pressures.

A total of 4,800 lbs of PlumeStop and 1,300 lbs of S-MicroZVI was mixed and applied as a 8,728 ppm(mg/L) solution with a total volume of 9,829.3 gallons applied in the area. Additionally, 13 liters of BDI Plus was administered into the area. Upon approval and implementation of a design change on 10/03/2024 the remaining PlumeStop and S-MicroZVI was mixed and applied as a 17,551 ppm (mg/L) was applied in the area.

Application Method: 3-foot retractable screens
Injection Depth: various
Number of Injection Points: 30

Deviations from Proposal:

1. Redistribution occurred across several points due to refusal and high pressure.
   Design change approved and implemented on 10/03/2024 due to surfacing across many points.

General Observations:

1. High pressures throughout 18-16 ft intervals led to screens being lifted.

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Please see attached Table 4 (of injection logbook) for details on injection flow rates and pressures observed.

RRS appreciates the opportunity to work with Roux at this site. If you need additional information regarding the application event or have any questions, please feel free to contact Project Manager William Clogan (724) 766-1811 or Project Supervisor Dan Curry (215) 964-1928.

Appendix A

Injection Logs

S-Micro ZVI Sulfidated Zero-Valent Iron | PLUME STOP Liquid Activated Carbon | BDI BIO-DECHLOR INOCULUM

Roux Associates-Kaddis Manufacturing Corporation

Injection Summary Log

Wells 7B & 4B

Table 3

REGENESIS REMEDIATION SERVICES
Technology-Based Solutions for the Environment

Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of Solution Injected			Pounds of MicroZVI per Interval	Pounds of Plumestop Per Interval	Total Gallons Per Location	Pounds of S-Micro ZVI Per Location	Pounds of PlumeStop Injected Per Location	Liters of BDI Per Interval	Comments	Injection Tooling
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval								
MW-4B	9/30/2024	--	48.5-38.5	7	4.50	0.0	156	156.0	18	73	852.5	100	400			Expansion Plug
	9/30/2024	13:23	48.5-38.6	15	4.40	156.0	412	256.0	30	120				2.5		
	9/30/2024	14:17	48.5-38.7	11	4.80	412.0	606	194.0	23	91						
	9/30/2024	14:53	48.5-38.8	11	4.80	606.0	770	164.0	19	77						
	9/30/2024	15:19	48.5-38.9	4	2.40	770.0	853	82.5	10	39						
						852.5		0.0	0	0					flushed clear water (51 gal) (clear)	
MW-7B	9/30/2024	--	48.5-43.5	14	4.50	0.0	87.0	87.0	10	41	852.5	100	400			NPT PVC Injection Cap'
	9/30/2024	13:23	48.5-43.6	24	4.10	87.0	341.0	254.0	30	119				2.5		
	9/30/2024	14:18	48.5-43.7	30	3.40	341.0	568.0	227.0	27	107						
	9/30/2024	14:53	48.5-43.8	35	3.40	568.0	671.0	103.0	12	48						
	9/30/2024	15:19	48.5-43.9	64	5.60	671.0	852.5	181.5	21	85						
						852.5		0.0	0	0					flushed clear water (105 gal, bailed slightly black; extra 50 gallons added. Total 151.	

Total Gallons:	Total Lbs. of S-Micro ZVI	Total Lbs. of PlumeStop	Total Liters of BDI
1705.0	200.0	800.0	5.0

S-Micro ZVI Sulfidated Zero-Valent Iron | PLUME STOP Liquid Activated Carbon | BDI BIO-DECHLOR INOCULUM

Roux Associates-Kaddis Manufacturing Corporation
Injection Summary Log
Overburden Area
Table 4

REGENESIS REMEDIATION SERVICES
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Injection Point	Date	Time	Injection Depth (feet)	Injection Pressure (psi)	Flow Rate (gpm)	Volume of Solution Injected			Pounds of MicroZVI per Interval	Pounds of Plumestop Per Interval	Total Gallons Per Location	Pounds of S-Micro ZVI Per Location	Pounds of PlumeStop Injected Per Location	Liters of BDI Per Interval	Comments	Injection Tooling
						Beginning Flow Meter (gal)	Ending Flow Meter (gal)	Gallons Injected Per Interval								
1	10/1/2024		18-16	26	5.00	0.0	89	89.0	9	32	442.7	43	160	0.108		3-Foot Screen
	10/1/2024	14:26	16-13	16	4.00	89.0	221	132.0	13	48				0.108		
	10/1/2024	15:03	13-10	20	5.30	221.0	354	133.0	13	48				0.108		
	10/1/2024	15:16	10-8	18	5.40	354.0	390	36.0	4	13				0.108		
	10/2/2024	8:19	10-8	15	5.20	0.0	53	52.7	5	19						
2	10/1/2024	--	17-14	27	5.10	0.0	177.1	177.1	17	64	442.7	43	160	0.144	lifted extra 3 feet due to high pressure no flow (redistributing 18' volume into this	3-Foot Screen
	10/1/2024	11:03	14-11	18	5.20	177.1	309.9	132.8	13	48				0.144		
	10/1/2024	12:57	11-8	8	5.00	309.9	442.7	132.8	13	48				0.144		
3	10/1/2024	13:48	18-16	41	4.30	0.0	89	89.0	9	32	442.7	43	160	0.108		3-Foot Screen
	10/1/2024	14:27	16-13	30	4.20	89.0	221	132.0	13	48				0.108		
	10/1/2024	15:03	13-10	23	5.90	221.0	354	133.0	13	48				0.108		
	10/1/2024	15:17	10-8	18	5.50	354.0	391	37.0	4	13				0.108		
	10/2/2024	8:19	10-8	9	2.40	0.0	52	51.7	5	19						
4	10/2/2024	8:33	18-15	27	5.00	0.0	132.8	132.8	13	48	442.7	43	160	0.108	lifted extra due to high pressure	3-Foot Screen
	10/2/2024	9:35	15-12	14	3.70	132.8	265.6	132.8	13	48				0.108		
	10/2/2024	10:13	12-9	20	5.30	265.6	398.4	132.8	13	48				0.108		
	10/2/2024	13:29	9-8	20	2.50	398.4	442.7	44.3	4	16				0.108		
5	10/4/2024	9:52	17-14	46	4.20	0.0	136	136.0	27	98	424.1	83	307	0.288	attempting redistribution of IP-6, had to lift extra foot due ot high pressure	3-Foot Screen
	10/4/2024	10:33	14-11	25	3.80	0.0	133	132.8	26	96				0.288		
	10/4/2024	11:27	11-8	23	3.30	132.8	288	155.3	30	112				0.288		
6	10/2/2024	10:55	18-15	0	0.70	0.0	37.0	37.0	4	13	37.0	4	13		surfacing from cracks towards street, looking to redistirbute into IP-5 if viable	3-Foot Screen
7	10/1/2024	10:17	18-16	28	5.00	0.0	89	88.5	9	32	442.7	43	160	0.144		3-Foot Screen
	10/1/2024	10:54	16-13	19	5.10	88.5	221	132.8	13	48				0.144		
	10/1/2024	12:57	13-10	6	1.20	221.4	354	132.7	13	48				0.144	seeping form asphalt about 30' towards street, stopping point for now.	
	10/2/2024	10:03	10-8	4	1.10	354.0	443	88.7	9	32						
8	10/2/2024	12:05	18-15	45	5.70	0.0	132.8	132.8	13	48	442.7	43	160	0.108	moved to the north of IP-1	3-Foot Screen
	10/2/2024	12:22	15-12	37	6.00	132.8	266.0	133.2	13	48				0.108		
	10/2/2024	13:16	12-9	24	4.30	266.0	398.0	132.0	13	48				0.108		
	10/2/2024	13:44	9-8	35	2.70	398.0	442.7	44.7	4	16				0.108		
9	10/2/2024	9:50	18-15	26	4.80	0.0	133	132.8	13	48	442.7	43	160	0.108		3-Foot Screen
	10/2/2024	10:14	15-12	23	5.50	132.8	266	132.8	13	48				0.108		
	10/2/2024	10:59	12-9	17	4.30	265.6	398	132.8	13	48				0.108		
	10/2/2024	11:44	9-8	18	5.00	398.4	443	44.3	4	16				0.108		
10	10/2/2024	14:00	18-15	24	4.20	0.0	87.0	87.0	9	31	355.7	52	190	0.108	surfacing by IP-11	3-Foot Screen
	10/3/2024	9:06	18-15	15	3.20	0.0	46.0	46.0	5	17						
	10/3/2024	9:37	15-12	13	2.70	46.0	98.0	52.0	5	19					surfacing by IP-11	
	10/4/2024	8:49	15-12	13	1.90	0.0	40.0	40.0	8	29				0.108		
	10/4/2024	9:33	12-9	12	1.60	40.0	126.4	86.4	17	62				0.108	beginning redistribution from IP-11 due to surfacing	
	10/4/2024	10:04	9-8	13	1.80	126.4	170.7	44.3	9	32				0.216		
11	10/2/2024	13:16	18-15	29	6.00	0.0	133	132.8	13	48	358.0	35	130	0.108		3-Foot Screen
	10/2/2024	14:00	15-12	20	4.00	132.8	266	132.8	13	48				0.108		
	10/2/2024	16:09	12-9	21	5.00	265.6	358	92.4	9	33				0.108	surfaing from grass around point,looking to try tomorrow.	
12	10/2/2024	9:44	18-15	20	4.30	0.0	132.8	132.8	13	48	442.7	43	160	0.108	high pressure 3' lift	3-Foot Screen
	10/2/2024	10:14	15-12	22	5.50	132.8	265.6	132.8	13	48				0.108		
	10/2/2024	10:59	12-9	18	4.70	265.6	398.4	132.8	13	48				0.108		
	10/2/2024	11:44	9-8	12	3.50	398.4	442.7	44.3	4	16				0.108		
13	10/4/2024	11:39	18-15	36	2.10	0.0	153	153.0	30	111	510.0	100	369	0.250	attempting redistirbution of IP's	3-Foot Screen
	10/4/2024	12:22	15-12	34	2.20	153.0	306	153.0	30	111				0.250		
	10/4/2024	13:19	12-9	29	2.50	306.0	459	153.0	30	111				0.250		
	10/4/2024	14:11	9-8	27	2.50	459.0	510	51.0	10	37				0.250		
14	10/2/2024	16:05	17-14	15	3.70	0.0	104.0	104.0	10	38	124.0	12	45		refusal at 18', redistribute bottom interval	3-Foot Screen
	10/3/2024	8:50	17-14	11	2.20	0.0	20.0	20.0	2	7				0.144	surfacing from near IP-15 old boring but all around	
			17-14			0.0		0.0	0	0					surfacing from backfilled old bore, all around the grass.	
15	10/2/2024	13:13	17-14	20	4.90	0.0	177	177.1	17	64	442.7	43	160	0.144	had to lift a extra foot out of interval due to high pressure	3-Foot Screen
	10/2/2024	13:44	14-11	19	4.60	177.1	310	132.8	13	48				0.144	daylighting MW-3, blew J-Plug out	
	10/2/2024	14:19	11-8	34	6.10	309.9	443	132.8	13	48				0.144		
16	10/2/2024	15:16	18-15	24	4.60	0.0	132.8	132.8	13	48	347.0	34	126	0.108		3-Foot Screen
	10/2/2024	15:41	15-12	36	7.20	132.8	265.6	132.8	13	48				0.108		
	10/2/2024	16:05	12-9	15	4.80	265.6	332.0	66.4	7	24				0.108		
	10/3/2024	9:29	12-9	5	2.00	0.0	15.0	15.0	1	5						
			12-9			15.0	0.0	0.0	0	0					surfacing from IP-15 bore all around and well	
17	10/2/2024	13:13	17-14	18	4.50	0.0	177	177.1	17	64	442.7	43	160	0.144	lifted extra foot out of interval due to high pressure	3-Foot Screen
	10/2/2024	13:44	14-11	18	4.60	177.1	310	132.8	13	48				0.144		
	10/2/2024	14:18	11-8	16	5.50	309.9	443	132.8	13	48				0.144		
18	10/4/2024	11:39	18-15	32	2.30	0.0	153.0	153.0	30	111	510.0	100	369	0.250	atempting redistirbution of remaining MW-3 IP's	3-Foot Screen
	10/4/2024	12:22	15-12	28	2.30	153.0	306.0	153.0	30	111				0.250		
	10/4/2024	13:19	12-9	29	2.70	306.0	459.0	153.0	30	111				0.250		
	10/4/2024	14:11	9-8	27	2.60	459.0	510.0	51.0	10	37				0.250		
19	10/3/2024	9:34	17-14	7	2.00	0.0	50	50.0	5	18	95.0	14	51	0.108	refusal at 18', surfacing from MW-3	3-Foot Screen
	10/4/2024	8:46	17-14	8	1.80	0.0	45	45.0	9	33					surfacing from well annular space, used cement. Cement seemed to hold. Surfacing from around well pad and upper portion of annular space.	
20						0.0		0.0	0	0	0.0	0	0		compromised well, looking to redistirbute into IP's-18 & 13	3-Foot Screen
21	10/1/2024	12:20	18-16	30	4.10	0.0	88.5	88.5	9	32	442.7	43	160	0.108	lifted extra foot due to high pressure	3-Foot Screen
	10/1/2024	13:15	16-13	15	3.20	88.5	221.4	132.8	13	48				0.108		
	10/1/2024	14:12	13-10	12	3.20	221.4	354.2	132.9	13	48				0.108		
	10/1/2024	14:42	10-8	13	3.50	354.2	442.7	88.5	9	32				0.108		
22	10/3/2024	10:41	18-15	15	3.80	0.0	132.8	132.8	13	48	287.7	43	160	0.108		3-Foot Screen
	10/3/2024	11:23	15-12	16	3.80	0.0	66.4	66.4	13	48				0.108	begin design change	
	10/3/2024	11:47	12-9	9	3.80	66.4	132.8	66.4	13	48				0.108		
	10/3/2024	11:57	9-8	9	3.80	132.8	154.9	22.1	4	16				0.108		
23	10/3/2024	13:33	15-12	14	3.10	0.0	132.8	132.8	26	96	221.4	43	160	0.216	refusla at 16', redistirbuting missed intervals into this. Had to lift 3' due to pressure.	3-Foot Screen
	10/3/2024	14:09	12-9	9	2.70	132.8	199.2	66.4	13	48				0.108		
	10/3/2024	14:15	9-8	7	2.60	199.2	221.4	22.1	4	16				0.108		
24	10/3/2024	16:00	12-9	6	3.10	0.0	199.2	199.2	39	144	221.4	43	160	0.324	refusal at 13', attempting redistribution	3-Foot Screen
	10/4/2024	8:27	9-8	2	2.60	199.2	221.4	22.2	4	16				0.108		
25	10/3/2024	13:09	17-14	17	2.30	0.0	66.4	66.4	13	48	221.4	43	160	0.144	had to lift extra foot due to high pressure	3-Foot Screen
	10/3/2024	13:45	14-11	17	2.70	66.4	132.8	66.4	13	48				0.144		
	10/3/2024	14:09	11-8	8	3.20	132.8	221.4	88.6	17	64				0.144		
26	10/3/2024	15:10	18-15	26	2.90	0.0	66.4	66.4	13	48	221.4	43	160	0.108		3-Foot Screen
	10/3/2024	15:34	15-12	18	3.30	66.4	132.8	66.4	13	48				0.108		
	10/3/2024	15:51	12-9	15	2.80	132.8	199.2	66.4	13	48				0.108		
	10/3/2024	16:08	9-8	17	3.10	199.2	221.4	22.2	4	16				0.108		
27	10/3/2024	13:10	18-15	22	3.30	0.0	66.4	66.4	13	48	221.4	43	160	0.108		3-Foot Screen
	10/3/2024	13:45	15-12	24	3.00	66.4	132.8	66.4	13	48				0.108		
	10/3/2024	14:15	12-9	7	3.80	132.8	199.2	66.4	13	48				0.108		
	10/3/2024	14:26	9-8	7	3.80	199.2	221.4	22.2	4	16				0.108		
28	10/3/2024	10:51	17-14	18	4.00	0.0	163.0	163.0	16	59	302.8	43	160	0.144	had to lift extra foot out of interval due to high pressure	3-Foot Screen
	10/3/2024	11:11	17-14	17	3.70	0.0	7.0	7.0	1	5					begin design change	
	10/3/2024	11:34	14-11	15	3.40	0.0	66.4	66.4	13	48				0.144		
	10/3/2024	12:00	11-8	20	2.10	66.4	132.8	66.4	13	48				0.144		
29	10/3/2024	15:29	17-14	19	3.40	0.0	66.4	66.4	13	48	221.0	43	160	0.144	lifted foot out of interval due ot high pressure	3-Foot Screen
	10/3/2024	15:42	14-11	19	3.40	66.4	132.8	66.4	13	48				0.144		
	10/3/2024	16:12	11-8	17	3.00	132.8	178.0	45.2	9	33				0.144		
	10/4/2024	8:27	11-8	15	2.40	0.0	43.0	43.0	8	31						
30	10/3/2024	10:51	17-14	32	3.30	0.0	116.0	116.0	11	42	279.3	43	160	0.144	had to lift extra due to high pressure (redistributing bottom foot)	3-Foot Screen
	10/3/2024	11:18	17-14	26	3.10	0.0	30.5	30.5	6	22					begin design change	
	10/3/2024	11:41	14-11	21	3.80	0.0	66.4	66.4	13	48				0.144		
	10/3/2024	12:00	11-8	20	3.80	66.4	132.8	66.4	13	48				0.144		

Total Gallons:	Total Lbs. of S-Micro ZVI	Total Lbs. of PlumeStop	Total Liters of BDI
9828.3	1300.0	4800.0	13

Appendix B

Photo Log

REGENESIS
REMEDIATION SERVICES
Technology-Based Solutions for the Environment

Global Headquarters
1011 Calle Sombra
San Clemente, CA 92673
Ph: (949) 366-8000
Fax: (949) 366-8090

Roux-Kaddis Manufacturing: Photo Log

Photo 1: Staged RRS Injection trailer.

Photo 2: Example of product staging area.

Photo 3: Image of Pre-Injection Cores being sampled.

Photo 4: Example of end of day eastern most PRB area.

Photo 5: Active injection of monitoring well MW-3.

Photo 6: Surfacing occurring as a result of injection of eastern most PRB.

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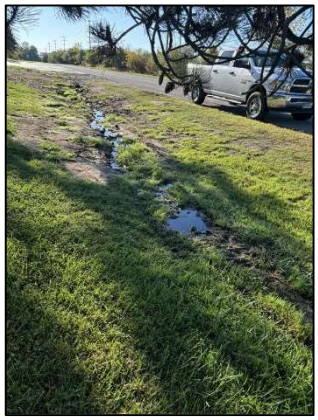

Photo 7: Example of Surfacing that occurred overnight after injection of product into eastern most PRB.

Photo 8: Example of MW-4B area after completion of injections.

Photo 9: View of area surrounding MW-3 after completion of injections.

Photo 10: Overview of jobsite prior to demobilization of RRS injection trailer.

Appendix C

Injection Area Map

Roux - Kaddis Manufacturing Plant

Figure 1 - Injection Area Map