



September 1, 2010

Mr. Adam Kiker
Hobbs, Upchurch & Associates, P. A.
300 SW Broad Street
Southern Pines, NC 28388

RE: LEAD-BASE PAINT (LBP) XRF Survey

Project Site: C²E Job #10 – 1735
Building 20
MCB Camp Lejeune, NC

Dear Mr. Kiker,

On August 20, 2010, an XRF survey was conducted at the above project site by Mr. Mike Shore of Crystal Coast Environmental, Inc. This survey was conducted to locate potential areas that may contain Lead Based Paint (LBP) prior to renovation and repainting of the building.

The present condition of the paint within the project site meets or exceeds definition of poor according to testing standards established or accepted by both HUD and EPA. The HUD standard of 1mu per cubic centimeter was selected as a positive indication of the presence of LBP though OSHA standards reflect "any detectable amount" of lead triggers worker protection requirements. HUD inspection guidelines were also used as a model for this survey. Wall "A" always refers to the wall of the room that faces the street and moving clockwise, walls are labeled B, C and D. Unless otherwise stated shots of the ceiling are taken as near center as possible.

Per your request only painted walls, ceilings, railings and high volume pipes were tested. Testing was not conducted on floors, curbs, conduits or low volume piping. This survey was limited to the main water treatment facility and the Raw Water Pump Building only.

If you have any questions or comments regarding this matter, please contact our office at 910-938-7998.

Sincerely,

Kenneth B. Williams
Crystal Coast Environmental, Inc.

XRF Results
Building 20 CLNC

#	Type	Component	Substrate	Side	Condition	Color	Floor	Room	Misc 1	Results	PbC
CAL										Positive	1.7
CAL										Positive	1.2
CAL										Positive	1.5
1	Paint	WALL	Brick	A	POOR	BEIGE	SECOND	OFFICE		Positive	14.2
2	Paint	WALL	Brick	B	POOR	BEIGE	SECOND	OFFICE		Positive	14.2
3	Paint	BASEBOARD	Brick	B	POOR	Black	SECOND	OFFICE		Positive	2.7
4	Paint	CEILING	CONCRETE	Center	POOR	WHITE	SECOND	OFFICE		Positive	9.7
5	Paint	WALL	PLASTER	A	POOR	BEIGE	SECOND	Lobby		Positive	21.1
6	Paint	WALL	Brick	C	POOR	BEIGE	SECOND	Lobby		Positive	15.9
7	Paint	CEILING	CONCRETE	Center	POOR	WHITE	SECOND	Lobby		Positive	14.3
8	Paint	WALL	PLASTER	A	POOR	BLUE	SECOND	HALL		Positive	6.4
9	Paint	WALL	PLASTER	D	POOR	BLUE	SECOND	HALL		Positive	5.8
10	Paint	CEILING	PLASTER	Center	POOR	WHITE	SECOND	HALL		Positive	7.3
11	Paint	CEILING	PLASTER	Center	POOR	WHITE	SECOND	HALL		Positive	8.9
12	Paint	WALL	PLASTER	A	POOR	BLUE	SECOND	Compressor R		Positive	6.2
13	Paint	WALL	Block	C	POOR	BLUE	SECOND	Compressor R		Negative	0.19
14	Paint	WALL	WOOD	D	POOR	BLUE	SECOND	Compressor R		Positive	6.2
15	Paint	CEILING	CONCRETE	Center	POOR	WHITE	SECOND	Compressor R		Positive	8.7
16	Paint	WALL	PLASTER	B	POOR	BLUE	SECOND	Workroom		Positive	1
17	Paint	WALL	PLASTER	B	POOR	BLUE	SECOND	Workroom		Positive	1.7
18	Paint	WALL	PLASTER	D	POOR	BLUE	SECOND	Workroom		Positive	7.5
19	Paint	CEILING	CONCRETE	D	POOR	WHITE	SECOND	Workroom		Positive	9.6
20	Paint	WALL	CONCRETE	C	POOR	BLUE	SECOND	Catwalk	Above filtrs	Positive	11.6
21	Paint	WALL	CONCRETE	C	POOR	BLUE	SECOND	Catwalk	Above filtrs	Positive	17
22	Paint	WALL	CONCRETE	C	POOR	BLUE	SECOND	Catwalk	Above filtrs	Positive	23.5
23	Paint	Rail	METAL	LEFT	POOR	BLUE	SECOND	Catwalk	Above filtrs	Negative	0.6
24	Paint	Rail	METAL	LEFT	POOR	BLUE	SECOND	Catwalk	Above filtrs	Negative	0.3
25	Paint	CEILING	CONCRETE	RIGHT	POOR	WHITE	SECOND	Catwalk	Above filtrs	Positive	8.7
26	Paint	WALL	PLASTER	A	POOR	BLUE	SECOND		Over pump room	Positive	15.9
27	Paint	WALL	PLASTER	A	POOR	BLUE	SECOND		Over pump room	Positive	16.5
28	Paint	WALL	PLASTER	C	POOR	BLUE	SECOND		Over pump room	Negative	0
29	Paint	WALL	PLASTER	D	POOR	BLUE	SECOND		Over pump room	Positive	17.5
30	Paint	CEILING	CONCRETE	RIGHT	POOR	WHITE	SECOND		Over pump room	Positive	7
31	Paint	WALL	PLASTER	RIGHT	POOR	BLUE	Lower level	Pump room		Positive	2
32	Paint	WALL	PLASTER	B	POOR	BLUE	Lower level	Pump room		Negative	0.5
33	Paint	WALL	PLASTER	B	POOR	BLUE	Lower level	Pump room		Positive	1.6
34	Paint	CEILING	CONCRETE		POOR	WHITE	Lower level	Pump room		Positive	5.3
35	Paint	pipe 1	METAL		POOR	GREEN	Lower level	Pump room		Negative	0
36	Paint	pipe 2	METAL		POOR	GREEN	Lower level	Pump room		Negative	0
37	Paint	pipe 3	METAL		POOR	GREEN	Lower level	Pump room		Negative	0
38	Paint	pipe 4	METAL		POOR	GREEN	Lower level	Pump room		Negative	0
39	Paint	WALL	CONCRETE	A	POOR	BLUE	Lower level	filter pipe		Negative	0.25
40	Paint	WALL	CONCRETE	B	POOR	BLUE	Lower level	filter pipe		Positive	13.3
41	Paint	WALL	CONCRETE	C	POOR	BLUE	Lower level	filter pipe		Positive	20.6
42	Paint	WALL	CONCRETE	C	POOR	BLUE	Lower level	filter pipe		Positive	14.1
43	Paint	pipe	METAL		POOR	BLUE	Lower level	filter pipe		Negative	0
44	Paint	pipe2	METAL		POOR	BLUE	Lower level	filter pipe		Negative	0.21
45	Paint	pipe3	METAL		POOR	BLUE	Lower level	filter pipe		Negative	0.01
46	Paint	virt rise 1	METAL		POOR	BLUE	Lower level	filter pipe		Negative	0.1
47	Paint	virt rise 2	METAL		POOR	BLUE	Lower level	filter pipe		Negative	< LOD
48	Paint	WALL	DRYWALL	A	POOR	BLUE	Lower level	filter pipe		Negative	0.12
49	Paint	CEILING	CONCRETE		POOR	WHITE	Lower level	filter pipe		Positive	5.8
50	Paint	CEILING	CONCRETE		POOR	WHITE	Lower level	filter pipe		Positive	6.5
51	Paint	hand rail	METAL		POOR	BLUE	Lower level	filter pipe		Positive	4.4
52	Paint	WALL	CONCRETE	A	POOR	BLUE	Lower level	chem feed room		Positive	1.7
53	Paint	WALL	CONCRETE	D	POOR	BLUE	Lower level	chem feed room		Negative	0
54	Paint	WALL	CONCRETE	A	POOR	BLUE	Lower level	spiractor room		Negative	0.12
55	Paint	WALL	CONCRETE	C	POOR	BLUE	Lower level	spiractor room		Negative	0.04
56	Paint	WALL	CONCRETE	C	POOR	BLUE	Lower level	spiractor room		Negative	0.02
57	Paint	pipe 1	METAL		POOR	BLUE	Lower level	spiractor room		Negative	0
58	Paint	pipe 2	METAL		POOR	BLUE	Lower level	spiractor room		Negative	0.01
59	Paint	pipe 3	METAL		POOR	BLUE	Lower level	spiractor room		Negative	0.19
60	Paint	tank	METAL		POOR	WHITE	Lower level	spiractor room		Negative	0
61	Paint	lbeam	METAL		POOR	WHITE	Lower level	spiractor room		Negative	0
62	Paint	pipe 1	METAL		POOR	WHITE	Lower level	raw water bldg		Negative	0
63	Paint	pipe 2	METAL		POOR	WHITE	Lower level	raw water bldg		Negative	0.6
64	Paint	pipe 3	METAL		POOR	WHITE	Lower level	raw water bldg		Negative	0.28
65	Paint	pipe 4	METAL		POOR	WHITE	Lower level	raw water bldg		Negative	0.6
66	Paint	hand rail	METAL		POOR	BLUE	Lower level	sprecta		Positive	1.7
67	Paint	WALL	CONCRETE	A	POOR	BLUE	THIRD	filter room		Negative	0.07
68	Paint	WALL	WOOD	B	POOR	BLUE	THIRD	filter room		Positive	12.5
69	Paint	hand rail1	METAL	B	POOR	BLUE	THIRD	filter room		Positive	2
70	Paint	hand rail2	METAL	B	POOR	BLUE	THIRD	filter room		Positive	2.4
71	Paint	CEILING	CONCRETE		POOR	WHITE	THIRD	filter room		Positive	4.1
72	Paint	CEILING	CONCRETE		POOR	WHITE	THIRD	filter room		Positive	3.2
73	Paint	WALL	WOOD	A	POOR	BLUE	THIRD	OFFICE		Negative	0.02
74	Paint	WALL	CONCRETE	C	POOR	BLUE	THIRD	OFFICE		Positive	17.3

