2.2 Laboratory Report/Chain of Custody

2.2.1 Asbestos

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	Josh Lew Idano DP 502 N. 411 Boise, 1D	W		МТ	I FILE#: B166	0007E
Project		rk Fork Fish Hatchery	Date Reco			
P.O Number	e		Date Repo	orted: 8/9/20	16	
-	-	ASBESTOS BULK SAM				
Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
CFH-A-01	B134992	Concrete foundation walls, fish pens #1 W of summer quarters-grey cementitious granular	NAD		100% Other	
CFH-A-02	B134993	Concrete foundation walls, fish pens #2 W of summer quarters-grey cementitious granular	NAD		100% Other	
CFH-A-03	B134994	Concrete foundation walls, fish pens #3 & 4 W of hatchery bldg-grey cementitious granular	NAD		100% Other	
SQ-A-01	B134995	Gray batt insulation, attic-brown loose. fibrous	NAD	100%Gines		1
SQ-A-02	B134996	Gray batt insulation, attic NEC-brown loose fibrous	NAD	100% Giana		
SQ-A-03	B134997	Gray batt insulation attic SE end- brown loose fibrous	NAD	100% Glass		
SQ-A-04	B134998	12*x20° ceiling tiles-semi compact fibrous	NAD	90% Cellulose	10% Other	
SQ-A-05	B134999	12"x20" ceiling tiles, SWC-semi compact fibrous	NAD	90% Cellulose	10% Other	
SQ-A-06	B135000	12"x20" ceiling tiles, light box center of space-semi compact fibrous	NAD	90% Cellulose	10% Other	
SQ-A-07	B135001	Beige/blue sheet vinyl with brown mastic, over wood subfloor compact layered resilient fibrous	NAD	30% Synthetic	2%Mastic 68% Other	
SQ-A-08	B135002	Beige/blue sheet vinyl with brown mastic, over wood subfloor-compact layered resilient fibrous	NAD	30% Synihetic	2%Mastic 68%Other	12.2
SQ-A-09	B135003	Beige/blue sheet vinyl with brown mastic, over wood subfloor by front door-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
SQ-A-10	B135004	Concrete foundation, exterior beige cementitious granular	NAD		100% Other	
EG-A-01	B135005	Window glazing, frontend (south end)- white hard compact	NAD		100% Other	
EG-A-02	B135006	Window glazing, eastside (south end)- white hard compact	NAD		100% Other	
EG-A-03	B135007	Window glazing, north end (south end)-white hard compact	NAD		100% Other	
EG-A-04	B135008	Brick/mortar chimney-red/white cementitious granular	NAD		100% Other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
EG-A-05	B135009	Brick/mortar chimney inside front section-red/white cementitious granular	NAD	71	100% Other	
EG-A-06	B135010	Brick/mortar chimney roof top- red/white cementitious granular	NAD		100% Other	
EG-A-07	B135011	Concrete foundation, NEC-grey cementitious granular	NAD		100% Other	
WG-A-01	B135012	Window glazing, east end-white hard compact	NAD		100% Other	
WG-A-02	B135013	Window glazing, rear-white hard compact	NAD		100% Other	
WG-A-03	B135014	Window glazing, west end-white hard compact	NAD		100% Other	1
WG-A-04	B135015	Concrete foundation, NWC-grey cementitious granular	NAD		100% Other	
OG-A-01	B135016	Window glazing, east side-beige/white hard compact	NAD		100% Other	-
OG-A-02	B135017	Window glazing, west side-beige/white hard compact	NAD		100% Officer	
OG-A-03	B135018	Window glazing, rear door-beige/white hard compact	NAD		100% Other	
OG-A-04	B135019	Interior drywall, no joint compound- white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
OG-A-05	B135020	Intenor drywall, no joint compound, rear wall-white semi compact powdery with fibers	NAD	15% Cellulase	85% Other	
OG-A-06	B135021	Interior drywall, no joint compound, ceiling-white semi compact powdery with fibers	NAD	15% Cellulose	85% Ölher	
0G-A-07	B135022	Concrete foundation wall-beige cementitious granular	NAD		100% Other	
OF-A-D1	B135023	Window glazing, exterior front-white hard compact	NAD		100% Other	
OF-A-02	B 135024	Window glazing, exterior rear-white hard compact	NAD		100% Other	
OF-A-03	B135025	Window glazing, exterior west end- white hard compact	NAD		100% Other	
OF-A-04	B135026	CMU (block/mortar) exterior roof top- grey cementitious granular	NAD	1	100% Other	
OF-A-05.	B135027	CMU (block/mortar) exterior back porch-grey cementitious granular	NAD		100% Other	
OF-A-06	B135028	CMU (block/mortar) exterior attic-grey cementitious granular	NAD		100% Other	
OF-A-07	B135029	Blown-in insulation, attic/exterior walls- tan loose fibrous	NAD	85% Cellulose 15% Synthetic	1	
OF-A-08	B135030	Blown-in insulation, attic/exterior walls- tan loose fibrous	NAD	85% Cellulose 15% Synthetic		
OF-A-09	B135031	Elown-in insulation, attic/exterior walls- tan loose fibrous	NAD	85% Cellulose 15% Synthetic		

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
OF-A-10	B 135032	Batt insulation, attic addition-pink loose fibrous	NAD	100% Glass	1.1.1.1	
OF-A-11.	B135033	Batt insulation, attic addition-pink loose fibrous	NAD	100% Glass		
OF-A-12	B135034	Batt insulation, attic addition-pink loose fibrous	NAD	100% Glass		
OF-A-13	B135035	Spray-on (hallway) ceiling texture- white semi compact powdery with fibers	19% Chrysotile		90%Other	
OF-A-14	B135036	Spray-on ceiling texture, front bedroom-white semi compact powdery with fibers	10% Chrysotile		90% Other	
OF-A-15	B135037	Spray-on ceiling texture, rear bedroom-white semi compact powdery with fibers	10% Chrysotile		90% Other	
OF-A-16	B135038	12'x12' ceiling life, bedroom-tan semi compact fibrous	NAD	96%Callulosa	10%Other	-
OF-A-17	B135039	12"x12" ceiling tile, north bedroom-tan semi compact fibrous	NAD	90% Cellulase	10% Other	
OF-A-18	B135040	12"x12" ceiling tile, SWC-tan semi compact fibrous	NAD	90% Cellulase	10% Other	1
OF-A-19	B135041	Plaster wall/ceiling finish-white semi compact powdery to cementitious granular	3% Chrysotile in skim coat layer		96% Other	
OF-A-20	B135042	Plaster wall/ceiling finish, kitchen interior wals-white semi compact powdery to cementitious granular	3% Chrysotile in skim coat layer		98% Other	
OF-A-21	B135043	Plaster wall/ceiling finish, bathroom celling-white semi compact powdery to cementitious granular	3% Chrysotile in skim coat layer		98% Other	
OF-A-22	B135044	Ceramic life grout-white compact	NAD		100% Other	
OF-A-23	B135045	Ceramic tile grout, kitchen-white compact	NAD		100% Other	
OF-A-24	B135046	Ceramic tile grout, bathroom-white compact	NAD		100% Other	
OF-A-25	B135047	Grey 9" floor tile with black mastic- hard compact granular with fibers	5% Chrysotile in tile and mastic		5% Mastic 90% Other	
OF-A-26	B135048	Grey 9" floor tile with black mastic, over tar paper, rear porch at damage- hard compact granular with fibers	5% Chrysotile in tile and mastic		5% Mastic 90% Other	
OF-A-27	B135049	Grey 9" floor tile with black mastic, over tar paper, by furnace-hard compact granular with fibers	5% Chrysotile in tile and mastic		5% Mastic 90% Other	
OF-A-28	B135050	Green 9" floor tile with black mastic- hard compact granular with fibers	5% Chrysotile in tile >1% Chrysotile in black mastic		5%Mastic 90%Other	
OF-A-29	B135051	Green 9" floor tile with black mastic, kitchen-hard compact granular with fibers	5% Chrysotile in tile >1% Chrysotile in black mastic		5% Mestic 90% Other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
OF-A-30	B135052	Green 9" floor tile with black mastic- hard compact granular with fibers	5% Chrysotile in tile >1% Chrysotile in black mastic	2-71	5% Mastic 90% Other	
OF-A-31	B135053	Tar paper beneath 9" tile-black bituminous fibrous	5% Chrysotile in tile	70% Cellulase	30% Other	Tar paper and grees tile are inseparable
OF-A-32	B135054	Tar paper beneath 9" tile, kitchen- black bituminous fibrous	5% Chrysatile in tile	70% Cellulose	30%Other	Tar paper and green tile are inseparable
OF-A-33	B135055	Tar paper beneath 9" tile, porch- black bituminous fibrous	5% Chrysotile in tile	70% Cellulose	30% Other	Tar paper and green tile are inseparable
OF-A-34	B135056	Brown sheet vinyl with yellow mastic- compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	1
OF-A-35	B135057	Brown sheet vinyl with yellow mastic, kitchen over 9' green tile-compact layered resilient fibrous	NAD	30% Synthesic	2% Maste 68% Other	
OF-A-36	B 135058	Brown sheet vinyl with yellow mastic, by hallway-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
OF-A-37	B135059	Beige sheet vinyl-compact layered resilient fibrous	60% Chrysotile in backing	16% Cellulose	60% Other	
OF-A-38	B135060	Beige sheet vinyl, bathroom-compact layered resilient fibrous	60% Chrysotile in backing	16% Cellulose	60% Other	
OF-A-39	B135061	Beige sheet vinyl, bathroom by tub- compact layered resilient fibrous	60% Chrysotile in backing	18% Geliuiase	60% Other	
OF-A-40	B135062	Concrete foundation wall SWC- grey/beige cementitious granular	NAD		100% Other	
HB-A-01	B135063	Window glazing, front window- yellow/grey hard compact with fibers	5% Chrysotile in grey window glazing		97% Other	
HB-A-02	B135064	Window glazing, east side- yellow/grey hard compact with fibers	5% Chrysotile in grey window glazing		97% Other	
HB-A-03	B135065	Window glazing, west side-yellow hard compact	NAD		100% Other	
HB-A-04	B135066	Stucco finish, exterior over concrete foundation-beige cementitious granular	NAD		100% Other	
HB-A-05	B135067	Stucco finish, exterior over concrete foundation west side-beige cementitious granular	NAD		100% Other	
HB-A-06	B135068	Stucco finish, exterior over concrete foundation front-beige cementitious granular	NAD		100% Other	
HB-A-07	B135069	Concrete foundation, exterior walls- grey cementitious granular	NAD		100% Other	
HB-A-08	B135070	Concrete foundation, interior walls- grey cementitious granular	NAD		100% Other	-
HB-A-09	B135071	Concrete foundation, fish well/tank- grey cementitious granular	NAD		100% Other	1
HB-A-10	B135072	Grey coaling, interior of fish well-grey compact	NAD		100% Other	1
HB-A-11	B135073	Grey coating, interior of fish well south tank-grey compact	NAD		100% Other	

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Special Inspections

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
HB-A-12	B135074	Grey coating, interior of fish well north tank-grey compact	NAD		100% Other	
HB-A-13	B135075	Brick/morter chimney-orange/beige cementitious granular	NAD		100% Other	
HB-A-14	B135076	Brick/mortar chimney attic- orange/beige cementitious granular	NAD		100% Other	
HB-A-15	B135077	Brick/mortar chimney roof top- orange/beige cementitious granular	NAD		100% Other	
HB-A-16	B135078	Blown-in insulation-ten loose fibrous	NAD	85% Callulose 15% Synthetic	1	1
HB-A-17	B135079	Blown-in insulation-tan loose fibrous	NAD	85% Callulose 15% Synthetic	1	2
HB-A-18	B135080	Blown-in insulation-tan loose fibrous	NAD	85% Callulose 15% Synthetic	ji mer i	
HB-A-19	B135081	Rigid foil covered foam board- silver/beige compact	NAD		100% Other	
HB-A-20	B135082	Rigid foil covered foam board- silver/beige compact	NAD		100% Other	
HB-A-21	B135083	Rigid foil covered foam board, walls of stainwell to attic-silven/belge compact	NAD		100% Other	-
MH-A-01	B135084	Window glazing, exterior windows- white hard compact with fibers	3% Chrysotile		97% Other	6
MH-A-02	B135085	Window glazing, exterior windows front-white hard compact with fibers	3% Chrysotile		97%Other	
MH-A-03	B135086	Window glazing, exterior windows north end-white hard compact with fibers	3% Chrysotile		97% Other	
MH-A-04	B135087	Brick/mortar chimney-red/beige cementitious granular	NAD		100% Other	
MH-A-05	B135088	Brick/mortar chimney roof top- red/beige cementitious granular	NAD		100% Other	-
MH-A-06	B135089	Brick/mortar chimney basement- red/beige cementitious granular	NAD		100% Other	
MH-A-07	B135090	Blown-in insulation, attic/exterior walls- tan loose fibrous	NAD	100% Celulose		
MH-A-08	B135091	Biown-in insulation attic-tan loose fibrous	NAD	100% Cellulose		
MH-A-09	B135092	Blown in insulation, exterior walls-tan loose fibrous	NAD	100% Celkilose		
MH-A-10	B135093	Batt insulation, back porch-yellow/pink loose fibrous	NAD	100% Glass		
MH-A-11	B135094	Batt insulation, drywall above ceiling- yellow/pink loose fibrous	NAD	100% Glass		
MH-A-12	B135095	Batt insulation, at damaged drywall- vellow/pink loose fibrous	NAD	100%Glass		
MH-A-13	B135096	Plaster over lath, interior walls/ceilings- beige cementitious granular	NAD		100% Other	
MH-A-14	B 135097	Plaster over lath, front room wall-beige cementitious granular	NAD		100% Other	
MH-A-15	B135098	Plaster over lath, kitchen celling-beige cementitious granular	NAD		100% Other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
MH-A-16	B 135099	Drywall/joint compound-while semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
MH-A-17	B135100	Drywall/joint compound, porch wall- white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
MH-A-18	B135101	Drywali/joint compound, porch ceiling- white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
MH-A-19	B135102	Ceramic tile grout, kitchen-white compact	NAD		100% Other	
MH-A-20	B135103	Ceramic tile grout, kitchen SW wall- white compact	NAD		100% Other	
MH-A-21	B135104	Ceramic tile grout, bathroom-white compact	NAD		100% Other	·
MH-A-22	B135105	Off-white sheet vinyl with white mastic, kitchen-compact layered resilient	NAD		5% Mastic 95% Other	
MH-A-23	B135106	Off-white sheet vinyl with white mastic, dining-compact layered resilient	NAD		5% Mastic 85% Other	
MH-A-24	B135107	Off-white sheet vinyl with white mastic, laundry-compact layered resilient	NAD		5% Mastic 95% Other	
MH-A-25	B135108	Off-while sheet vinyl with while mastic, new over old yellow sheeting-compact layered resilient	NAD		5% Mastic 95% Other	
MH-A-26	B135109	Off-white sheet vinyl with white mastic, new over old yellow sheeting, bathroom-compact layered resilient	NAD		5% Mastic 95% Other	-
MH-A-27	B135110	Off-white sheet vinyl with white mastic, new over old yellow sheeting, bathroom by tub-compact layered resilient	NAD		5% Mastro 95% Other	
MH-A-28	B135111	Old yellow sheet vinyl concealed beneath new bathroom vinyl-beige compact/layered resilient fibrous	60% Chrysotile in backing	16% Cellulose	60% Other	
MH-A-29	B135112	Old yellow sheet vinyl concealed beneath new bathroom vinyl-beige compact layered resilient fibrous	60% Chrysotile in backing	16%Cellulose	60% Other	
MH-A-30	B135113	Old yellow sheet vinyl concealed beneath new bathroom vinyl by tub- beige compact layered resilient fibrous	60% Chrysotile in backing	16% Celluiose	60% Other	
MH-A-31	B135114	White duct tape (paper) heating duct basement-pliable fibrous	65% Chrysotile	20% Synthetic	15%Other	1
MH-A-32	B135115	Concrete basement/foundation walls- grey cementitious granular	NAD		100% Other	
SF-A-01	B135116	Window glazing, exterior windows- white compact	NAD		100% Other	
SF-A-02	B135117	Window glazing, exterior windows front-white compact	NAD		100% Other	
SF-A-03	B135118	Window glazing, exterior windows west side-white compact	NAD		100% Other	
SF-A-04	B135119	CMU block/montar chimney-grey	NAD	1 1 1	100% Other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
		cementitious granular				· · · · · · · · · · · · · · · · · · ·
SF-A-05	B135120	CMU block/mortar chimney-grey cementitious granular	NAD		100% Other	
SF-A-06	B135121	CMU block/mortar chimney roof top- grey cementitious granular	NAD		100% Other	
SF-A-07	B135122	Plaster, interior walls/cellings shop- beige cementitious granular	NAD		100% Other	
SF-A-08	B135123	Plaster, interior walls/ceilings large freezer-beige cementitious granular	NAD		100% Other	
SF-A-09	B135124	Plaster, interior walls/ceilings visitor center-beige cementitious granular	NAD		100% Other	
SF-A-10	B135125	Blown-in insulation, attic/inside exterior walls-brown loose fibrous	NAD	40% Celluiose 60% Glass		
SF-A-11	B135126	Blown-in insulation, attic-brown loose fibrous	NAD	40% Cellulose 60% Glass		
SF-A-12	B135127	Brown-in insulation, inside walls beneath wood-brown loose fibrous	NAD	40% Cellulose 80% Glass		
SF-A-13	B135128	Rigid fiberglass insulation-yellow/black compact to loose bituminous fibrous	NAD	80% Glass	40% Other	
SF-A-14	B135129	Rigid fiberglass insulation, ceiling of large freezer yellow/black compact to loose bituminous fibrous	NAD	60% Glass	40% Other	
SF-A-15	B135130	Rigid fiberglass insulation, ceiling of small freezer-yellow/black compact to loose bituminous fibrous	NAD	60% Glass	40% Other	
SF-A-16	B135131	Concrete foundation-grey cementitious granular	NAD	-	100% Other	
NH-A-01	B135132	Drywall/joint compound, interior walls/ceiling-white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	_
NH-A-02	B135133	Drywall/joint compound, kitchen wall - white semi compact powdery with fibers	NAD	15% Celluizse	85% Other	
NH-A-D3	B135134	Drywall/joint compound, haliway ceiling-white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
NH-A-04	B135135	Drywall texture, interior walls/ceilings- white semi compact powdery with fibers	3% Chrysotile in texture	70% Celluizse	30% Other	
NH-A-05	B135136	Drywall texture, kitchen wall-white semi compact powdery with fibers	3% Chrysotile in texture	70% Gelkulose	30% Other	
NH-A-06	B135137	Drywall texture, hallway ceiling-white semi compact powdery with fibers	3% Chrysotile in lexture	70% Cellulase	30% Other	
NH-A-07	B135138	Drywall, no joint compound-white semi compact powdery with fibers	NAD	15%Cellulase	85% Other	
NH-A-08	B135139	Drywell, no joint compound, interior garage walls-white semi compact powdery with fibers	NAD	15% Cellulose	85% Other	
NH-A-09	B135140	Drywall, no joint compound, garage ceiling-white semi compact powdery	NAD	15% Celkulose	85% Other	

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Construction Materials Testing

Special Inspections

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
		with fibers				_
NH-A-10	B135141	White sheet vinyl with yellow mastic, front entry-compact layered resilient fibrous	NAD	30%Synthetic	2% Mastic 68% Other	
NH-A-11	B135142	White sheet vinyt with yellow mastic, front entry-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
NH-A-12	B135143	White sheet vinyl with yellow mastic, front entry-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
NH-A-13	B135144	Grey sheet vinyt over beige sheet vinyt, kitchen-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
NH-A-14	B135145	Grey sheet vinyl over beige sheet vinyl, dining-compact layered resilient fibrous	NAD	30% Synthetic	2% Mastic 68% Other	
NH-A-15	B135146	Grey sheet vinyl over beige sheet vinyl, back rest room-compact layered resilient fibrous	NAD	30% Synthatic	2% Mastic 68% Other	
NH-A-16	B135147	Off-white sheet vinyi with white mastic, bathroom-compact layered resilient	NAD		2% Mastic 98% Other	
NH-A-17	B135148	Off-white sheet vinyl with white mastic, bathroom closet-compact layered resilient	NAD		2%Masbe 98%Other	
NH-A-18	B135149	Off-white sheet vinyl with white mastic, bethroom, over old vinyl-compact layered restlient	NAD		2%Mastic 98% Other	
NH-A-19	B135150	Old sheet vinyl beneath new vinyl- beige compact layered resilient fibrous	NAD	30% Synthetic	70% Other	-
NH-A-20	B135151	Old sheet vinyl beneath new vinyl, doset-beige compact layered resilient fibrous	NAD	30% Synihatic	70% Other	
NH-A-21	B135152	Old sheet vinyl beneath new vinyl, bathroom-beige compact layered resilient fibrous	NAD	30%Synthetic	70% Other	-
NH-A-22	B135153	Exterior siding, rear of house-tan semi compact fibrous	NAD	90% Cellulose	10% Other	
NH-A-23	B135154	Exterior siding, north end-tan semi compact fibrous	NAD	90% Cellulase	10%Other	
NH-A-24	B 135 155	Exterior siding, south end-tan semi compact fibrous	NAD	.90% Cellulose	10% Other	
NH-A-25	B135156	Batt/blown-in insulation, attic-pink toose fibrous	NAD	100% Glass		
NH-A-26	B135157	Foil covered batt insulation, walls- silver/pink loose fibrous	NAD	80% Gives	20% Other	
NH-A-27	B135158	Batt insulation, floor crawlspace-pink loose fibrous	NAD	100% Glass		
NH-A-28	B135159	CMU block/mortar, chimney-grey cementitious granular	NAD		100% Other	
NH-A-29	B135160	CMU block/montar, chimney garage-	NAD	1	100% Other	

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Construction Materials Testing

Special Inspections

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
1	1	grey cementitious granular				
NH-A-30	B135161	Concrete foundation, SEC-grey cementitious granular	NAD		100% Other	

Sample component percentages may not total 100% for multi-layered samples

Glossary of Acronyms

NAD - No Asbestos Detected PP-NAR - Presume Positive-No Analysis Required AFC - Asbestos Found As Contaminant TRACE - Detectable but not quantifiable IS - Insufficient Sample -percentages may be inaccurate

Sampled by: Tim A. Bird

tratur

Analyzed by Laurie Kuther Chief Microscopist

ennific Babione

Reviewed by Jennifer Babione Environmental Services Asst. Manager

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-fitable organically bound materials is not consistently reliable using PLM analysis. This test report relates only to the items tested in the sample as submitted to the laboratory. Analysis method. Polarized Light Microscopy (PLM) by EPA/6000R-397116 with Central Stop Dispersion by NIOSII 9002. American Industrial Hygiene Association (AIIIA) Performance Analytical Testing (PAT) Laboratory Number 101571

"Assuring the Strength, Safety and Security of Your Future"

2791 S. Victory View Way, Boise ID 83709 208 376-4748 Fax 208 322-6615 E-Mail mti@mti-id.com www.mti-id.com

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ATCOM 756 East Windhester Silvert Saft Lake Dry, UT 84307	Address: 502 N. 44	
	Phonet: (208) 332-1908	B3720 Special Motions Standard Turn
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HB-	HB-A-03	/	li il u luceteide			
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ATCOM	AECOM - URS Professional Solutions 756 East Wimchester Street Suite 400 Sait Lake City, UT 84107	ofessional Sol ter Street Suit 1 84107	INVOICE TO: Company Name: Address: City/State/Zip:	State of Idaho DPW 502 N. 4th Street Boise, ID 83320	SAMPLE TRANSMITTAL FORM No.
Contact Person Turn A. Bind		wo # 2543.	Prone#: (208) 332-1908 Contact Person. Josh Leu ProjectPO #: DPW#179	1332-1908 Josh (cuois DPW#17902	Please c-mail results/Colta:
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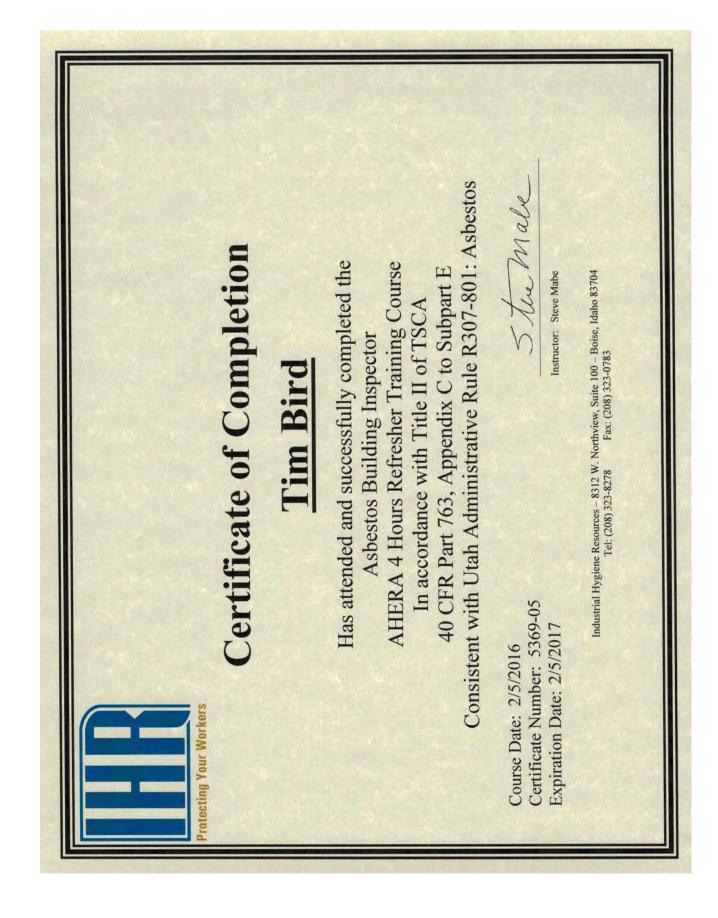
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In the the the two of	5 SF-A-II	11 11 U		
Rigid Fibunglass Eusenlation I. I. M Ceiling of Large Freezer I. Ceiling of Swall Freezer Ceiling of Swall Freezer Ceiling of Swall Freezer	6 SF-A-12	/ I' i i u u I'nside walls beneat	h cupad	
Ceiling of Large Freezer Ceiling of Swall Freezer Ceiling of Swall Freezer Ceiling of Swall Freezer Concrete Foundation	7 SF-A-13	Rigid Fibuglass Insulation		
Ceiling of Swall Freezer	8 SF-A-14	Ceiling of Large Fre		
V (Concrete	B SF-A-IS	Ceiling of Suall Fre	czer	/
	10 SF-A-16	(Concrete Foundation		

	758 East Windrester Street Suite 400 Sett Lake City, uT 843-07	ler Sifeet, Sui 1 84107	Company Name: Address:	State of Idaho DHU 502 N. 4th Street Rover ID 83320	Special holes CL. 1. 1. 1.
Contact French Thur A. Bi	P	wo # 2543.	8	202	Please e-mail resulty (00 to: time a bird @ a ccom con
10	2024	A LILEAD Standard Re Hous Samota fo	D AIR ONDULK AN DICUP Requested Aland Copy Defination	al CA OC (SPLIT) Cother Cottected by Time Pare	the and you a
Lab # Statusent	Date	Sample Type	ple Description		20
NH-A-0	NH-A-01 7/28/16	Bulk	Dry wall /Joint Compound Dorn Pound	\$99	
2 NH-A-02	1 2	/	4 11 11 11		/
3 NH-A-03	5	5	Hallway Ceifina		<
4 NH-A-04	+ /		Dry wall Texture Interior Walls/Ceilings	5 b	/
5 NH-A-DS	2	/	kitchen wall		
6 NH-A-O6	6		Hallwan Cciling		/
7 H-A- 07	1		Drywall No Joint Compound		
8 NH-A-08	8		Carage Walls		
90-A-HN	~	-	Carage Ceiling		<
NH-A-ID	1 0	>	Sheetviny Flooring Front Entry		
TVPE P = Personal EL = Exca	EL = Excursion Lmi, PA	4	e Abatement, C = Clearance, IWA = Inside Work Received by (Date/Time)	Areas. OWA ~ Outside Neor Area NAM = Negative nr. Received by (Date/Time) Received by (Date/Time)	

AZCOM 768 East 144	756 East Wrichester Street Suite 400 Solir Lake City, 1/T 84107	Company Name	State of Idaho DPW	SAMPLE TRANSMITTAL FORM
		(20E	Boise, ID 83720 332-1908	Special Mores Standard Turnt-
Dontact Person Twe A. Bird W. + 2543.	Fish Hatchen	Contact Person: Project/P.O.#:	Josh Lewis DPW#17902	time biedeacconcon
Analysis Type (PLM CPCM TEM	ON DIEM DLEAD	TAR REULK TAA	CAOC (SPUT) COTHer	In an Kyon
Turmaround Time C Rush 22 Sample Status C Return to du	Revum to dient Addive Sample for One Year	Requested. Whard Copy Mc-mail e for One Year	Samples Collected by (jun Bind	S
	Date Sample	ple Description	Type Time Time Total Flow Rate Pump# Started Ended Minutes LPM	Flow Rate Volume LPM (Litters) Analyst Fibers Fields F/mm F/cc
NH-A-11 7/28/16		Bulk Front Entry		
2 NH-A- 12		1 r ri "		
3 NH-A-13		Skeet Vinyl Flooring Kitchen		
NH-A-IH	()	LI II II Diviue Area		_
5 NH-A-IS		Tark Pock Com		
6 NH-A-16		Sheet Viry I Flooring Bath room		
FI-A-IA		Bath reconclosed		
8 NH-A-I8		Duck old visited		
9-A-19		Old Sheet Viry! beveath New Viry!		
10 NH-A-20	*	li n " Closet		0.3 0 - 1
YPE P = Personal, EL = Excurat Refinancistred by (UMER Time)	EL - Excursion Limit. PA. Pre-Abatement.	C = Clearance, (Date/Time)	IWA = Inside Work Area. OWA = Dutside Work Area, NAM = Negative Key, Machine Extransi, FF = High Frame Received by (Date/Time)	 Machine Extraust, HF = Hean How _ LF = Low How Received by (Date/Time)

Chyrstenerth Exolises, ID 83320 Received formalities Promer: (COR) 332-1408 Recess c-mail treat Promer: CORNET 332-1408 Recess c-mail treat Contract Preson: Josh Lewis Recess c-mail treat Contract Preson: South Contract Recess c-mail treat Contract Preson: Recess contractor Recess c-mail treat Con via: South Recess contractor Recess contractor South North Recess contractor Recess contractor North North Recess contractor Recess contractor Recess contract Recess contractor Recess contractor South Recess contractor Recess contractor South Recess contractor Recess contractor South Recess contractor Recess contractor Rece	ALCOM 756 East Windhester Stree	Siréet Suite 400 Company Name: Artificase	502 N. 4th Street	No.
Time A. Bind West A. Bind West A. Bind Contract Person Jose A. Cours 134 Imer A. Bind Person Ann Drew Previout Array 2010 Annot Array 2010 Imer A. Bind Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Annot Array 2010 Imer A. Bind Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Annot Array 2010 Imer A. Bind Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Prevaled Regenter Array 2010 Imer A. Deck Prevaled Regnter Array 2010 Prevaled Regnter	The start line	City/State/Zip	83720	recia Notes Standard Ture
- Alt LeGuts - Alt - Corp - Corp	" Tim A. Bind wo .	Contact Person: Josh Project/PD.#: DRW#		ima birdeacconc
The manufacture Samples Converted by Targets Converted by	WEIN DIRCH CITEM	GAR REUK GAA CCCP	Cither .	The Byrd
3/28/14 Bulk Beveach New Sheet 3/28/14 Beveach New Sheet 2xterior Siding Exterior Siding 1 1 <		ole Description	Time Total Flow Rate	Calebration Method Analyst Fibers Fimm
1/Copill Sulf 2xterior Siding 2xterior Siding 2xterior Siding 2xterior Siding 2xterior Siding 2xterior Siding 2xterior Siding 1 1	Sample #	Old Sheet Uiny !		
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In In In South cad South cad South cad Batt Evaluation Affic Tusulation Affic Evaluation Evaluation Affic Evaluation Evaluation Evaluation Batt Insulation Evaluation Evaluation Evaluation S.E. Convect Evaluation	NH-A-23 /	North End		
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Batt/Blown-in Batt/Blown-in Foil Concred Batt Foil Concred Batt Exculation Aftic Enclosed Batt Excorded Batt Enclosed Batt	NH-A-24)	/ South and		
Foil Couved Batt Ensulation Lualls Batt Insulation Floor Comulspace Floor Comulspace Only Block/Mortar Olyimmey 1.1 11 Carage Carage Carage S.E. Conver	SH-A-25	(Batt/Blown-in Ensulation Attic		
Batt Insulation Floor Chamlespace CMU Block/Mortar CMU Block/Mortar	6 NH-A-ZC	Foil Covered Batt Insulation Livells		
CMU Block/Mortar CMU Block/Mortar Chimney 11 11 bi Cavage Cavage Cavage S.E. Corner	7-4-77	Batt Insulation		
Chimney it il li Carage Carage Concrete Foundation S.E. Corner	8	15		
Carage Carage S.E. Corner	NH-A-28			
Concrete Foundation	9 NH-A-79			1
S.E. CONNEX	10	Concrete Foundation		
	NH-4-30		A state of the sta	A Contract ME = High Flow LF = LOW Flow

DPW_17905 Asbestos and Lead Paint Survey Fish Hatchery Complex_final rev_er.doc



2.2.2 Lead Paint



9000 Commerce Parkway Suite B Mt. Laurel, New Jersey 08054 Telephone: 856-231-9449 Email: customerservice@iatl.com

Client: Idaho Division Of Public Work	s Repo	rt Date	: 8/9/2016	
502 N. 4th St, PO Box 83720	Repo	rt No.:	516306 - Lead Paint	
Boise ID 83720-0072	Proj	ect:	Clark Fork Fish Hatchery	
Client: IDA118	Proj	ect No.:	DPW#17902	
	CAD PAINT SAMPLE ANALYS	IS ST	IMMARY	
Lab No.:5995929 Client No.:OF-L-01	Description:Beige Location:Ext. Over Wood Siding, 7/28 And 7/29/16	R	esult (% by Weight):2.1 esult (ppm):21000 omments:	
Lab No.:5995930 Client No.:OF-L-02	Description:Brown Over White/Green Location:Ext. Trim Windows, 7/28 And 7/2	0/16 R	esult (% by Weight):4.0 esult (ppm):40000 omments:	
Lab No.:5995931 Client No.:OF-L-03	Description:Red Over White/Green Location:Ext. Trim Windows, 7/28 And 7/2)/16 R	esult (% by Weight):4.5 esult (ppm):45000 omments:	
Lab No.:5995932 Client No.:OF-L-04	Description:Off-White Location:Int. Walls Various Locations, 7/28 And 7/29/16	R	esult (% by Weight):<0.0069 esult (ppm):<69 omments:	
Lab No.:5995933 Client No.:OF-L-05	Description:Off-White Location:Int. Kitchen Cabinets/Trim, 7/28 A 7/29/16	nd R	esult (% by Weight):17 esult (ppm):170000 omments:	
Lab No.:5995934 Client No.:OG-L-01	Description:Beige Location:Ext. Over Wood Siding, 7/28 And 7/29/16	R	esult (% by Weight):0.84 esult (ppm):8400 omments:	
Lab No.:5995935 Client No.:OG-L-02	Description:Brown Location:Ext. Windows, 7/28 And 7/29/16	R	esult (% by Weight):1.3 esult (ppm):13000 omments:	
Lab No.:5995936 Client No.:EG-L-01	Description:Pale Pink Location:Ext. Wood Siding, 7/28 And 7/29/	6 R	esult (% by Weight):7.4 esult (ppm):74000 omments:	
Please refer to the Appendix of this r	eport for further information regarding you	analys	ส์ร.	
Date Received: 8/2/2016	An	roved l	By: PS	
Date Analyzed: 08/09/2016			Joh that	C
Signature: Count?	58-Pl		Frank E. Ehrenfeld, III	
Analyst: Chad Shaffer			Laboratory Director	

Dated: 8/9/2016 2:59:37 PM

Page 1 of 7



		CERTIFICATE OF A	NAL	YS	IS
502 N. 4		R Pi Pi	eport Data eport No.: roject: roject No.:	51 Cl D)	9/2016 16306 - Lead Paint Iark Fork Fish Hatchery PW# 17902
	LI	EAD PAINT SAMPLE ANAL	YSIS S	UM	MARY
Lab No.:5995937 Client No.:EG-L-		Description: Red Over Green Location: Ext. Trim Over Windows, 7/28 7/29/16	And R		(% by Weight):7.8 (ppm):78000 ents:
Lab No.:5995938 Client No.:EG-L-		Description:Pale Pink Location:Int. Wood, 7/28 And 7/29/16	R		(% by Weight):9.6 (ppm):96000 ents:
Lab No.:5995939 Client No.:WG-L		Description:Off-White Location:Ext. Over Wood Siding, 7/28 Ar 7/29/16	nd R	esult esult omm	(% by Weight):6,5 (ppm):65000 ents:
Lab No.:5995940 Client No.:WG-L		Description:Beige Location:Ext. Concrete Foundation, 7/28 7/29/16	And R		(% by Weight):0.051 (ppm):510 ents:
Lab No.:5995941 Client No.:WG-L	-03	Description:Off-White Location:Int. Over Wood Walls/Trim, 7/2 7/29/16	8 And R		the second
Lab No.:5995942 Client No.:NH-L-		Description:Beige Location:Ext. Over Wood Siding, 7/28 Au 7/29/16	nd R		(% hy Weight):0.099 (ppm):990 ents:
Lab No.:5995943 Client No.:NH-L-		Description:Dk.Brown Location:Ext. Trim , 7/28 And 7/29/16	R		(% by Weight):0.12 (ppm):1200 ents:
Lab No.:5995944 Client No.:NH-L-	03	Description:Off-White Location:Int. Walls/Ceiling/Trim, 7/28 Ar 7/29/16	nd R		(% by Weight):0.0072 (ppm):72 ents:
Please refer to the	e Appendix of this	eport for further information regarding y	our analy	sis,	
Date Received: Date Analyzed: Signature:	<u></u>	52-81-	Approved 1		Frank E. Ehrenfeld, III Laboratory Director
Analyst:	Chad Shaffer				Encountry Encourt

Dated: 8/9/2016 2:59:37 PM

Page 2 of 7



	CERTIFICAT	E OF ANALY	SIS
Client: Idaho Division O 502 N. 4th St, PO Boise ID 83 Client: IDA118) Box 83720	Report Date: Report No.: Project: Project No.:	8/9/2016 516306 - Lead Paint Clark Fork Fish Hatchery DPW# 17902
	LEAD PAINT SAMPL	E ANALYSIS SU	MMARY
Lab No.:5995945 Client No.:SF-L-01	Description:Off-White Location:Ext. Siding/Trim,	7/28 And 7/29/16 Res	ult (% by Weight):2.5 ult (ppm):25000 nments:
Lab No.:5995946 Client No.:SF-L-02	Description:Red Over Gree Location:Ext. Trim Windo	ws, 7/28 And 7/29/16 Res	ult (% by Weight):3.7 ult (ppm):37000 nments:
Lab No.:5995947 Client No.:SF-L-03	Description:White Location:Int. Walls/Ceiling	, 7/28 And 7/29/16 Res	ult (% by Weight):0.012 ult (ppm):120 nments:
Lab No.:5995948 Client No.:SF-L-04	Description:Grey Location:Int. Trim Walls/D	loors/Wainscot Res	ult (% by Weight):0.096 ult (ppm):960 nments:
Lab No.:5995949 Client No.:SF-L-05	Description :Off-White Ove Location:Int. Walls/Ceiling	g, 7/28 And 7/29/16 Res	ult (% by Weight):0.0099 ult (ppm):99 uments:
Lab No.:5995950 Client No.:SQ-L-01	Description: Off-White Location: Ext, Wood Siding	g. 7/28 And 7/29/16 Res	ult (% by Weight):4.8 ult (ppm):48000 nments:
Lab No.:5995951 Client No.:SQ-L-02	Description:Red Location:Ext. Trim Wood V 7/29/16	Windows, 7/28 And Res	ult (% by Weight):4.5 ult (ppm):45000 nments:
Lab No.:5995952 Client No.:SQ-L-03	Description:Off-White Location:Int. Wood Trim/P 7/29/16	aneling, 7/28 And Res	ult (% by Weight):2,5 ult (ppm): 25000 nments:
Please refer to the Apper	ndix of this report for further information	n regarding your analysis	s
and the state of the second seco	2016 9/2016	Approved By	Frank E. Ehrenfeld, III



	CERTIFICATE	OF ANALY	SIS
Client: Idaho Division Of Pu 502 N. 4th St, PO Bo Boise TD 83720 Client: IDA118	x 83720	Report Date: Report No.: Project: Project No.:	8/9/2016 516306 - Lead Paint Clark Fork Fish Hatchery DPW# 17902
	LEAD PAINT SAMPLE	ANALYSIS SU	MMARY
Lab No.:5995953 Client No.:HB-L-01	Description:Off-White Location:Ext. Wood Siding, 7/2	28 And 7/29/16 Res	ult (% by Weight):13 ult (ppm):130000 aments:
Lab No.:5995954 Client No.:HB-L-02	Description:Reddish Brown Location:Ext. Trim Windows, 7	7/28 And 7/29/16 Res	ult (% by Weight):1.3 ult (ppm):13000 nments:
Lab No.:5995955 Client No.:HB-L-03	Description:Silver (Grey) Location:Int. Over Wood, 7/28	And 7/29/16 Res	ult (% by Weight):0.25 ult (ppm):2500 nments:
Lab No.:5995956 Client No.:HB-L-04	Description:Green Location:Int. Trim, 7/28 And 7/	/29/16 Res	ult (% by Weight):Void ult (ppm):Void nments:**
Lab No.:5995957 Client No.:HB-L-05	Description:Grey Location:Int./Wood Columns C Tanks, 7/28 And 7/29/16	Concrete Fish Res	ult (% by Weight):0.013 ult (ppm):130 nments:
Lab No.:5995958 Client No.:HB-L-06	Description: Off-White (Beige) Location:Int. Walls/Ceiling Va 7/28 And 7/29/16	rious Locations, Res	nlt (% by Weight):0.60 ult (ppm):6000 nments:
Lab No.:5995959 Client No.:HB-L-07	Description:Brown Location:Ext. Wood Window F 7/29/16	Frames, 7/28 And Res	ult (% by Weight):7.5 ult (ppm):75000 nments:
Lab No.:5995960 Client No.:HB-L-08	Description:Beige Location:Ext. Concrete Founda And 7/29/16	tion Walls, 7/28 Res	ult (% by Weight):5.9 ult (ppm):59000 aments:
Please refer to the Appendix	of this report for further information rea	garding your analysis	l.
Date Received: 8/2/2016 Date Analyzed: 08/09/20 Signature: 20 Analyst: Chad Sh	16. 	Approved By	Frank E. Ehrenfeld, III Laboratory Director

Dated : 8/9/2016 2:59:37 PM

Page 4 of 7



	CERTIFICATE OF ANA	LYSIS
Client: Idaho Division Of Public W 502 N. 4th St, PO Box 8372 Boise ID 83720-0072 Client: IDA118	0 Report N Project: Project N	o.: 516306 - Lead Paint Clark Fork Fish Hatchery fo.: DPW# 17902
1.	LEAD PAINT SAMPLE ANALYSIS	SUMMAR Y
Lab No.:5995961 Client No.:MH-L-01	Description:Beige Location:Ext. Wood Siding, 7/28 And 7/29/16	Result (% by Weight):0.040 Result (ppm):400 Comments:
Lab No.:5995962 Client No.:MH-L-02	Description:Reddish Brown Location:Ext. Windows/Trim, 7/28 And 7/29/16	Result (% by Weight):7.1 Result (ppm):71000 Comments:
Lab No.:5995963 Client No.:MH-L-03	Description:Off-White Location:Int. Trim, Doors/Cabinets, 7/28 And 7/29/16	Result (% by Weight):14 Result (ppm):140000 Comments:
Lab No.:5995964 Client No.:MH-L-04	Description:Beige Location:Int. Back Porch, 7/28 And 7/29/16	Result (% by Weight):3.8 Result (ppm): 38000 Comments:
Lab No.:5995965 Client No.:MH-L-05	Description:Grey Location:Int. Floor, Walls, 7/28 And 7/29/16	Result (% by Weight):2.8 Result (ppm):28000 Comments:
Lab No.:5995966 Client No.:MH-L-06	Description: Off-White Location: Int. Walls/Ceilings, 7/28 And 7/29/16	Result (% by Weight):<0.0079 Result (ppm):<79 Comments:

Please refer to the Appendix of this report for further information regarding your analysis. 8/2/2016 Date Received: Approved By: 1 Date Analyzed: 08/09/2016 Frank E. Ehrenfeld, III -23 ŋ. . 3 Signature: Laboratory Director Chad Shaffer Analyst: Dated : 8/9/2016 2:59:37 PM Page 5 of 7



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

- Environmental Lead -

Contact Informa	ition		and the second
Client Company:	State of Idaho DPW	Project Number:	DPW# 17902
Office Address:	502 N. 4th Street, P.O. Box 83720	Project Name:	Clark Fork Fish Hatchery
City, State, Zip:	Boise, ID 83720-0072	Primary Contact:	Josh Lewis
Fax Number:	(208) 334-4031	Office Phone:	(208) 332-1908 (Josh Lewis)
Email Address:	tim.a.bird@aecom.com (Tim Bird)	Cell Phone:	(208) 890-5062 (Tim Bird, URS)
			· · · · · · · · · · · · · · · · · · ·

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

Z Paint by AAS: ASTM D3335-85a, 2009

Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010

☐ Air by AAS: NIOSH 7082, 1994

Soil by AAS: EPA SW 846 (Soil)

Water by AAS-GF: ASTM D3559-03D, USEPA 40CFR 141.11B, 2010

and Geosphilds.r

Other Metals (Cd, Zn, Cr) by AAS

Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311

Cl Other _

Sec. 3 62

Special Instructions:

3

Please e-mail results to: timina. bird@gecom. com

* End of next business day unless otherwise sp			
Chain of Custody Stelinquished (Name/Organization): Tim A. Bi Stelinquished (Name / iATL): ample Login (Name / iATL): .nalysis(Name(s) / iATL): OA/QC Review (Name / iATL): rchived / Released: QA/QC InterL	$\begin{array}{c} Date: \\ Date: \\ & \\ Date: \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ & \\ $	Time: #630-bou Time: 5 1 Time: 5 1 Time: 5 1 Time: 5 1 Time: 1 1 Time: 1 1 Time: 1 1	



9000 Commerce Parkway. Suite B . Mount Laurel, NJ 08054 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

-Environmental Lead -

Client: State of Idaho DPW

Project: Clark Fork Fish Hatchery

Sampling Date/Time: _____ 28th & 29th

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
0F-L-01	5995929	Beige Ext. Paint Over wood Siding				4sg-inches	:
0F-L-02	5995930	Brownext. Trim Wandows over w	1	ren		358-inch	25
0F-L-03	5995931	Red Ext: Trim Windows Oucre	1.00			lesg-inches	
0F-L-04	5995932	Offwhite Int. Walls various Loc	1			2sg-inche	
OF-L-05	5995933	bffwhite Int: Kitchen Cabinets,	Trian			lsg-inch	
0G-L-01	5995934	Belge Ext. Paint Ducy wood siding			//////	3sq-inohe	<
06-1-02	5995935	BrownExt. Paint Windows				45g-inche	
EG-L-01	5995936	Pale PINKExt. Paint wood siding				35g-inches	
66-6-02	5995937	Red Ext. Trim Windows-overGr	een			2 sq-inches	
EG-L-03	5995938	Pale Pink Int. Paint overwood				13g-inch.	
VG-L-01	5995939	Off-White Ext. Paint over woods	idina			4 sq -i Mchus	
UG-L-02	5995940	Beige Ext. Concre Foundation	ke T			2 sg-inche	

IFOUALGETION
 IFOUALGETION
 IFOUALGETION
 Fallorent Sample Provided to Perform QC Reanalysis (<200mg)
 #= Insufficient Sample Provided to Analyze (<50mg)
 #= Insufficient Sample Provided to Analyze (<50mg)
 #= Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in meansistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods
 and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director
 Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NIDEP
 renditions apple

conditions apply. . The foreign structure and state and the second structure in the second structure of the second structure second s Continuing 25 corrections storages also deter

 $S(2) \sim (d_1, d_2, d_3)$

IAIL -204-4 Solowi Low



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

-Environmental Lead -

Client: State of Idaho DPW

Project: Clark Fork Fish Hatchery

Sampling Date/Time: _____ July 28th & 29th

Client Sample #	iATL #	Location/ Description	Flow Rate		Sampling time (min)	Area (ft2) Volume (L)	Results
WG-L-03	5935941	Off-white Int. Paintoucr wood	walls	Trim		259-jascho	i
NH-L-01	5995942	Beige Ext. Paint over wood siding				2	
NH-L-OZ	5995943	Dark Brown Ext Film Over Gree	-			25g-inches	
NH-L-03	5995944	Offurtite Entern Paint walls/ccll	br	in l		2sg-innhes (sg-inch	
SF-L-01	5995945	Off-white Ext. Paint Siding/Tri				Ecolul	-
SF-6-02	5995946	Red Ext. Trim				55g-inches 55g-inches	
SF-1-03	5935947	White Interior Paint walls/celli	19			1439-inches	
SF-1-04	5995948	Grey Interior Tr Walls/doors/wall	1in		1	2 sq-inches	
SF-L-05	5995949	off-white Inferio uselly Celling over	- (Bel	ge)		8 Sq-inches	
5Q-L-01	5995950	off-white Ext Parat wood siding				lasa-Jualia	
SQ-1-02	5995951	Red Ext: Tirim wood windows				<u>losq-inches</u> 3sq-inches	
5Q-L-03	5995952	Off-White Exterior Paint wood Trim				15g-inche	

 In a sufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyse (<50mg)*** = Maritix < Substrate Interference Possible
 FB = Method Requires the submitted of blank(s). AL = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by IATL to expedite procedures by clients based upon the above data. IATL assumes that all of the sampling methods
 and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director.
 Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

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LATE -304 4 Sobnit Form



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Sample Log

-Environmental Lead -

Client: State of Idaho DPW

Project: Clark Fork Fish Hatchery

Sampling Date/Time: _____

Client Sample #	iATL #	Location/ Description	Flow Rate	<u>Start</u> End	Sampling time (min)	Area (ft2) Volume (L)	Results
HB-L-01	5995953	Off-White Ext. Paint wood siding			85g-inche		
HB-L-02	5995954	Reddish Browny " Ext. Trim Window			85g-inche		
HB-L-03	5995955	Silver Interior (C Paint over Wood	ray)		lesg-inche		
HB-L-04	5995956	Green Interior Thim			2 somination		
HB-L-05	5935957	Crey ENterror/ Concrete fish Ta	upod C	blumus	4sq-inducs		22
HB-L-06	5995958	Off-white (Beige) Interior walls/Cci					
HB-L-07	5995959	Brown Ext. Paint Wood Window Fram		10002 14	4sq-inche		
HB-L-08	5995960	Belge Ext Painst Concrete Foundat		lls	459-inche		
MH-L-01	5995961	Beige Ext. Painif- wood Siding		_	10 sq-inche		
MH-L-02	5995962 5995963	Reddish Brown Ext Windows Trim		11	4sg-inches		
MH-L-03		Off-White Interior Trim, Doors (Cab		1	Isg-inch		
MH-L-04	5935964	Beige Interior Paint Back Porce	h		lsg-inch		
MH-L-05	5995965	Grey Exterior Pain Floor, Walls	it T		D 55g-inches		
4H-L-06	5995965	Paint wells Reitin	r		o 45a-inches		

* = Insufficient Sample Provided to Perform QC Early State Interference Possible ** = Insufficient Sample Provided to Analyze (<30mg) *** = Insufficient Sample Provided to Analyze (<30mg) ***= Matrix / Substrate Interference Possible FB = Method Requires the submittal of blank(s). ML = Mult Layered Sample. May result in inconsistent results.These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the Client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NIDEP rounditions and/s

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3.0 SURVEY METHODOLOGY, REGULATIONS AND RECOMMENDATIONS

3.1 Survey Methodology

To gather the greatest quantity of information in the time available, several investigative techniques were utilized. These included interviews with building maintenance personnel, a visual inspection and assessment of the building, sampling of suspect materials, and quantification of all confirmed asbestos-containing materials.

The inspector obtained and submitted for Polarized Light Microscopy (PLM) analysis multiple bulk samples of all accessible materials suspected of containing asbestos. All bulk samples were collected in accordance with EPA and OSHA guidelines. Samples were taken at various locations representative of homogeneous materials identified throughout each segment of the building.

Lead paint chip samples were collected and analyzed in accordance with EPA and OSHA guidelines. Samples were taken at various locations representative of coatings and conditions identified throughout each segment of the building.

Materials Testing & Inspection (MTI) in Boise, Idaho was the laboratory retained by DPW for PLM bulk sample analysis of samples collected during the inspection. The laboratory is AIHA (American Industrial Hygiene Association) accredited and is a successful participant in AIHA PAT Round Robin Program (Laboratory No. 101571) for quality assurance in proficiency of bulk asbestos identification. All bulk samples collected during the inspection were submitted to MTI for PLM analysis.

All lead paint samples collected during the inspection were submitted to International Asbestos Testing Laboratory (IATL) in Laurel, New Jersey for analysis. The laboratory is accredited and is a successful participant in the NLLAP (National Lead Laboratory Accreditation Program) NYSDOH – ELAP No. 11021.

Samples were randomly chosen to be representative of each homogenous material. However, URS makes no representation, warranty, nor guarantee that the analytical results reported by the laboratory are representative of those conditions existing throughout the homogeneous area, or that material other than or in different proportions to those indicated may exist.

Additionally, all URS Professional Engineer reviews of this document are limited to the project information and data presented in this report; therefore, no representation, warranty, or guarantee is implied or expressed of the site conditions from the URS Professional Engineer review.

3.2 Regulations

Building owners are governed by a variety of federal, state, and local regulations, which influence the way they must deal with ACM and/or lead in their facilities. Some of these regulations, particularly at the state and local level, change frequently. Building owners should contact their state and local government agencies, in addition to organizations such as the National Conference of State Legislatures (NCSL), the National Institute of Building Sciences (NIBS), or EPA environmental assistance centers for updated information on these requirements.

EPA and OSHA regulations require that employers address a number of items when employees may be exposed to asbestos fibers that could be generated during maintenance, removal, renovation, or demolition activities. These regulations are discussed briefly:

- EPA amended the worker protection rule (WPR at 40 CRF Part 763) on December 15, 2000 to adopt OSHA's standard to protect the health of all local and state government employees from the harmful effects of asbestos. The amended EPA worker protection rule extends coverage to all construction projects involving both friable and non-friable asbestos. EPA also expanded the scope of the WPR to all custodial operations that involve activities as basic as sweeping a floor or dusting a table.
- EPA NESHAP (40 CFR 61, November 20, 1990, Final Rule) promulgates emissions standards and reporting criteria for fugitive emissions of asbestos fibers. Additionally, it governs demolition and renovation projects in all facilities with notification requirements to EPA whether regulated quantities of ACM have been found or not.
- The NESHAP rule requires that owners conduct an asbestos inspection prior to demolition/renovation and have all friable regulated asbestos-containing materials (RACM) removed before demolition work begins. For renovation projects where RACM will be disturbed, the NESHAP rule may require appropriate work practices or procedures for the control of asbestos emissions. Any RACM (friable or non-friable which may become friable) poses a potential hazard that should be addressed.
- OSHA has specific requirements concerning worker protection and procedures. These include 29 CFR 1910.1001, General Industry, 29 CFR 1915.1001, Shipyard Industry, 29 CFR 1926.1101, Construction Industry (asbestos) Standard and 29 CFR 1926.62 OSHA Construction (lead) Standard.
- OSHA amended the General Industry Standard for asbestos (1910.1001). The previous existing asbestos standard for construction, 1926.58, was replaced with 1926.1101. A new standard, 1915.1001, was created for the shipyard industry. Analytical methods used by the OSHA laboratory were added as appendices. The Permissible Exposure Limit (PEL) was reduced by half to 0.1 f/cc TWA. OSHA presumes certain materials in pre-1981 buildings asbestos-containing materials (PACM) until sample verification of the materials asbestos content is made by an AHERA accredited building inspector.

3.3 EPA and OSHA Recommendations for ACM and Lead-Based Paint O&M Plans

Generally, the EPA and OSHA recommend that ACM, PACM and lead-based paint (coatings) be managed in place and that an O&M plan be developed considering the following items:

- ACM is defined as any material, which contains greater than 1 percent asbestos (>1%). This means that any material, which contains 1% or less asbestos, is considered a non-regulated ACM.
- All non-friable materials which are positive for asbestos (>1%) which may be subjected to sanding, grinding, cutting, drilling, and/or abrading are categorized by EPA under NESHAP as either Category I or Category II non-friable RACM.

- Lead-based paint is identified as paint containing 0.5% lead by weight under EPA/HUD Guidelines. However, OSHA has no such limits and regulates work exposure based on airborne concentration of lead within the work space and/or by the type of work or activity that may expose the worker above the action level or permissible exposure limit (PEL).
- EPA and OSHA recommend that a proactive, in place asbestos and/or lead-based paint operations and maintenance (O&M) program be implemented whenever ACM and/or lead-containing paint is discovered. In order to prevent significant public exposure to airborne asbestos fibers, EPA requires that building owners remove ACM and/or lead-based paint prior to building demolition or building renovation in which the existing conditions of the ACM and/or lead-based paint may pose an imminent threat to public health.
- An EPA accredited asbestos management planner and/or competent person should be utilized when developing an O&M program.
- EPA and OSHA recommend that building owners make available all written elements of the O&M program to the building O&M staff, as well as to tenants and other building occupants. Facility owners are also encouraged to consult with legal counsel concerning appropriate record keeping strategies as a standard part of their O&M programs.
- Building owners should inform maintenance workers, occupants, and tenants about the location and physical condition of the ACM, PACM and/or lead-based paint that they might disturb, and stress the need to avoid disturbing the material. Occupants should be notified for two reasons: (1) building occupants should be informed of any potential hazard in their vicinity; (2) informed persons are less likely to disturb the material and cause fibers and/or lead to be released.
- Facility owners should control access to the areas where the materials are located, mark materials with appropriate warning labels where applicable, and repair damaged materials as soon as possible (OSHA, 29 CFR 1910.1001 (j) Communication of Hazards to Employees).

3.4 URS Recommendations

The asbestos-containing materials found within the Office and Hatchery Buildings, the Main House and the Netters House are in fair-to-good condition (less than 10% damage or non-friable) and can be managed in place. Place the asbestos-containing materials in an operation and maintenance program and maintain in-place until the materials can be removed and disposed of properly.

The lead-containing paint found on the interiors of the Office Building, Office Garage, West Garage, Shop/Freezer Building, Summer Quarters and the Hatchery Building are in good condition (stable, <10% damage) and can be managed in place. Place the lead-containing paint found on the interior of these buildings in an operation and maintenance program and maintain in-place until the material can be removed and disposed of properly.

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However, the lead-containing paint present on the exteriors of the West Garage, Hatchery Building, Shop/Freezer Building, and the Main House is in fair-to-poor condition (unstable, >10% to <25% flaking or damage). In addition the majority of the exterior paint found on the Summer Quarters and East Garage are in poor condition (extremely unstable >25% damage). A substantial amount of the paint is coming loose and peeling (flaking) off of these buildings. The flaking paint needs to be stabilized and cleaned up as soon as possible, and the associated waste disposed of properly at an approved landfill. Once the damaged and flaking exterior paint has been stabilized place the remaining lead-containing paint in an operation and maintenance program and maintain in-place until the material can be removed and disposed of properly

URS makes the following general recommendations for the asbestos-containing materials and lead-containing paints identified by the survey:

- Control access to the asbestos-containing materials and lead-containing paint throughout building, ensuring that the materials are not disturbed and are not subjected to sanding, grinding, cutting, drilling, and/or abrading.
- Develop a plan for managing in place and controlling access to, disturbance of, and/or damage to the asbestos-containing materials and lead-containing paint identified within the building.
- Routinely alert all state employees, applicable visitors, and outside contractor personnel of the presence of asbestos-containing materials and lead-containing paint or coating within the building and/or work areas.
- At the time of removal or demolition, implement an asbestos abatement program as required under NESHAP. An asbestos abatement procedure should be developed that will ensure worker protection per 29 CFR 1926.1101 OSHA construction standard and in compliance with EPA regulations regarding friable ACM and Category I and Category II non-friable RACM that may be subjected to sanding, grinding, cutting, drilling, or abrading.
- Prior to removal or demolition, implement a lead paint awareness program as required under OSHA. A lead hazard awareness and handling procedure should be developed that will ensure worker protection per 29 CFR 1926.62 (lead) OSHA construction standard and in compliance with EPA regulations regarding lead-containing materials that may be subjected to sanding, grinding, cutting, drilling, or abrading.

3.4.1 Permits and Notifications

Prior to demolition and/or renovation of the building, the contractor will need to provide proof satisfactory to the Owner or his Representative that all necessary permits have been secured in conjunction with demolition, removal, hauling, and disposal of the construction debris and provide timely notification of such actions, as may be required by federal, state, regional, and local authorities. Send written notification to the Regional Office of the United States Environmental Protection Agency (EPA), as required by 40 CFR Part 61, Subpart M (NESHAPS), 10 working days prior to commencement of the work.



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