



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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Ref: 8SEM-EMR

**ACTION MEMORANDUM**

**SUBJECT:** Approval and Funding for an Emergency Removal Action at the Basin School Chemical Site in Basin, Big Horn County, Wyoming, pursuant to the On-Scene Coordinator's delegated authority under CERCLA section 104

**FROM:** Paul R. Peronard  
Federal On-Scene Coordinator

**THRU:** Kerry Guy, Supervisor  
Response Section

Deirdre Rothery, Manager  
Emergency Management Branch

**TO:** Ben Bielenberg, Acting Director  
Superfund and Emergency Management Division

Site ID #: B8F1

**I. PURPOSE**

The purpose of this memorandum is to document the decision to initiate emergency response actions described herein for the Basin School Chemical Site (Site) in Basin, Big Horn County, Wyoming, pursuant to the On-Scene Coordinator's delegated authority under CERCLA section 104.

This emergency response involved the treatment, consolidation, and off-site disposal of a wide variety of abandoned laboratory chemicals. The chemicals were discovered by the Town of Basin during the renovation of a former school building that had been acquired by the Town. Conditions that existed at the Site presented a threat to public health and the environment and met the criteria for initiating a removal action under 40 CFR §300.415(b)(2) of the National Contingency Plan (NCP).

This response action involved no nationally significant or precedent-setting issues. This emergency response does not establish any precedent for how future response actions will be taken and does not commit the United States Environmental Protection Agency (EPA) to a course of action that could have a significant impact on future responses or resources.

## II. SITE CONDITIONS AND BACKGROUND

Site Name:	Basin School Chemical
Superfund Site ID (SSID):	B8F1
CERCLIS Number:	Unknown
Site Location:	911 B Street, Basin, WY
Lat/Long:	44.3799641,-108.0465864
Potentially Responsible Party:	
NPL Status :	Non NPL
Removal Start Date :	10/18/2022

### A. Site Description

#### 1. Removal Site Evaluation

On Monday, October 17, 2022, the Fire Chief of the Basin Fire Department called the U.S. Environmental Protection Agency (EPA) Region 8 phone duty officer to report abandoned chemicals found in a building recently acquired by the Town of Basin. The building was previously occupied by a school that has since moved out of the building. The chemicals were discovered in approximately 10 large boxes in the basement boiler room of the building. The chemicals appeared to be stored in old, unsecured containers. Some containers were leaking, and some were unlabeled. The Basin Fire Department has limited resources to respond to hazardous materials and requested EPA assistance to identify, secure, and properly dispose of the chemicals.

On October 18, 2022, the EPA arrived at the Site and initiated assessment activities, including the segregation and inventorying of containers present at the Site. Air monitoring activities of the area indicated no readings above background concentrations. The EPA's initial assessment of containers indicated the presence of hundreds of small containers, as well as several 15-gallon plastic drums containing corrosives (disinfectant). Available label information indicated the presence of acids, bases, flammables, cyanides, sulfides, and other hazardous substances. Two transformers, each containing several gallons of oil, were also identified in the basement.

#### 2. Physical Location

The Site is located at 911 B Street, Basin, Big Horn County, Wyoming. The Site is a former Middle School building which is in the process of being converted into an office/administration building for the Town of Basin. The chemicals were discovered in a basement room toward the rear of the building. A map of the area can be found in Attachment 1.

#### 3. Site Characteristics

The Site is in a residential area toward the western side of Basin. There are residences to the north and east of the Site. To the south of the Site are an active school "bus yard" as well as a swimming pool complex and athletic fields. To the

north of the Site is a K-12 School.

#### **4. Release or Threatened Release into the Environment of a Hazardous Substance, Pollutant or Contaminant**

There are numerous hazardous substances at the Site, as defined by section 101(14) of CERCLA. An inventory of the chemicals found at the Site is provided in Attachment 2. The list includes several strong acids (e.g., sulfuric, hydrochloric); strong bases (e.g., sodium hydroxide, potassium hydroxide, soda ash); toxics (e.g., benzene, toluene, mercury, cyanides); water reactives (e.g., calcium hydride, lithium); and flammables (mineral spirits, acetone). The chemicals were found unsorted in cardboard boxes in the basement. Some containers bore labels dating back to the 1940s, while many were unlabeled or the labels unreadable.

#### **5. NPL Status**

This Site is neither on nor currently being considered for inclusion on the NPL.

#### **6. Maps, Pictures & Other Graphic Representations**

A site map is presented in Attachment 1. Site photographs are presented in Attachment 3.

### **B. Other Actions to Date**

#### **1. Previous Actions**

There were no previous activities performed by EPA at the Site.

#### **2. Current Actions**

EPA conducted the response activities from October 19 through 20, 2022 as an Emergency Response. The activities are briefly summarized below:

- Inventoried containers at the Site, which included approximately 445 individual items (see Attachment 2).
- Segregated containers based on compatibility using available label information.
- Bulked and solidified paint-related materials using vermiculite to facilitate non-hazardous disposal at a nearby landfill.
- Performed hazard categorization testing to characterize unknown materials that were missing label information.
- Neutralized small drums and containers of acids using soda ash present in the basement.
- Neutralized one drum of caustic (NaOH) with acids found on-site.
- Bulked compatible chemicals together based on available label information and hazard categorization testing results; materials were mixed in four

different batches and allowed to complete any reactions, before eventually being combined into one waste stream for disposal profiling.

- One waste sample (BS-DISPOSAL-01) was collected from the waste stream and delivered for laboratory analysis of Toxicity Characteristic Leaching Procedure (TCLP) Metals; analytical results indicated the presence of chromium at a concentration of 19 milligrams per liter (mg/L), which exceeds the Resource Conservation and Recovery Act (RCRA) limit of 5 mg/L. No other analytes exceeded RCRA limits.
- Collected oil samples from each of two transformers identified in the basement; and field test (Clor-N-Oil) results are summarized below:
  - The smaller transformer (General Electric), which contained approximately 5 to 7 gallons of oil, indicated polychlorinated biphenyls (PCB), specifically Aroclor 1260, at concentrations greater than 50 parts per million (ppm). Subsequent laboratory analytical results (sample BS-T-02-SMALL) confirmed PCBs at a concentration of 83 ppm.
  - The bigger transformer (Westinghouse), which contained approximately 7 to 10 gallons of oil, indicated PCB concentrations were less than 20 ppm. Subsequent laboratory analytical results (sample BS-T-01-BIG) confirmed PCBs were not present above the method detection limits.

### **C. State and Local Authorities' Roles**

#### **1. State and Local Action to Date**

Personnel from the Basin Fire Department and the Worland, Wyoming, Fire Department conducted an initial assessment, isolated the area, and contacted the EPA to request assistance.

#### **2. Potential for Continued State/Local Response**

Local and state governments did not have the capability or resources to remove and dispose of the chemicals in question in a timely manner.

### **III. THREATS TO PUBLIC HEALTH OR WELFARE OR THE ENVIRONMENT, AND STATUTORY AND REGULATORY AUTHORITIES**

Conditions at the Site presented a threat to public health and the environment and met the criteria for initiating a removal action under 40 CFR §300.415(b)(2) of the NCP.

EPA has considered all the factors described in 40 CFR §300.415(b)(2) of the NCP and determined that the following factors apply at the Site.

- (i) *“Actual or potential exposure to nearby human populations, animals or the food chain from hazardous substances or pollutants or contaminants;”*

There were several chemical containers found at the Site, some of which were corroded, leaking, and/or damaged. Renovation workers and other building occupants could be exposed to physical, dermal, inhalation, or toxic hazards posed by the numerous acids, corrosives, reactives, and toxic chemicals at the Site.

(iii) *“Hazardous substances or pollutants or contaminants in drums, barrels, tanks, or other bulk storage containers, that may pose a threat of release;”*

There were abandoned containers of chemicals that posed a threat of release at the Site. The Removal Site Inspection documented that a variety of flammable liquids, flammable solids, oxidizers, poisons, radiological materials, and corrosive were present at the Site. Some of the containers were deteriorated, leaking, and stored in disarray.

(vi) *“Threat of Fire and explosion;”*

Among the chemicals found at the Site were water-reactive alkali metals lithium and potassium, which generate highly flammable hydrogen gas when wet. There were other water reactives present, along with flammable solvents and ethers.

(vii) *“The availability of other appropriate federal or state response mechanisms to respond to the release.”*

No other local, state, or federal agency had the capability or the resources to independently implement a timely, effective response action to address the ongoing threat of release presented at the Site.

#### **IV. SELECTED REMOVAL ACTIONS AND ESTIMATED COSTS**

##### **A. Planned Actions**

###### **1. Planned Action Description**

The EPA's Emergency Response and Removal Services (ERRS) contractor and the Superfund Technical Assessment and Response Team (START) contractor mobilized with the EPA OSC on October 18, 2022. From October 19-22, 2022, the EPA conducted the following actions:

- (i) Inventoried the chemicals.
- (ii) Conducted hazard categorization testing on unknown or unlabeled materials.
- (iii) Solidified various paints, adhesives, and epoxies.
- (iv) Treated water reactive materials (e.g., calcium hydride, lithium) on-site.
- (v) Neutralized all acids and bases on-site.
- (vi) Bulked compatible chemicals.
- (vii) Lab-packed separately a few toxics and RCRA hazardous materials.
- (viii) Shipped all material off-site for proper treatment and/or disposal around the valve boxes underneath.
- (ix) Sampled the oil in the two transformers.

The EPA demobilized from the Site on October 23, 2022, and final disposal of the wastes has occurred.

## **2. Contribution to Remedial Performance**

No further federal action is anticipated at this time.

## **3. Engineering Evaluation/Cost Analysis (EE/CA)**

An EE/CA is not required for an emergency response action.

## **4. Applicable or Relevant and Appropriate Requirements (ARARs)**

Removal actions conducted under CERCLA are required, to the extent practicable considering the exigencies of the situation, to attain ARARs. In determining whether compliance with an ARAR is practicable, the lead agency may consider appropriate factors including the urgency of the situation and the scope of the removal action to be conducted.

No ARARs have been identified for this removal action. RCRA requirements concerning waste analysis, manifesting, packaging, and transporting, while not ARARs, apply to off-site shipments of hazardous wastes.

## **5. Project Schedule**

This emergency response action was initiated on October 18, 2022, with all on-site activities completed by October 23, 2022. Final waste disposition has been completed.

### **B. Estimated Costs\***

Contractor costs	
START (Removal Site Evaluation, CERCLA 104(b))	\$75,000.00
ERRS	\$ 125,000.00
Contingency costs (20% of subtotal)	\$40,000.00
<b>Total Removal Project Ceiling (including 104(b) costs)</b>	<b>\$240,000.00</b>

\*EPA direct and indirect costs, although cost recoverable, do not count toward the Removal Ceiling for this removal action. Liable parties may be held financially responsible for costs incurred by the EPA as set forth in section 107 of CERCLA.

## **V. EXPECTED CHANGE IN THE SITUATION SHOULD ACTIONS BE DELAYED OR NOT TAKEN**

A delay in action or no action at this Site would have increased the actual or potential threats to public health and the environment.

## **VI. OUTSTANDING POLICY ISSUES**

None.

## **VII. ENFORCEMENT**

An investigation to evaluate potential enforcement options will be undertaken. A separate Enforcement Addendum will be prepared if appropriate, providing a confidential summary of potential enforcement activities.

## **VIII. APPROVALS**

This decision document represents the selected response action for the Basin School Chemical Site in Basin, Big Horn County, Wyoming, developed in accordance with CERCLA as amended, and is not inconsistent with the NCP. This decision is based on the administrative record for the Site.

Conditions at the Site met the NCP section 300.415(b) criteria for an emergency response action, and through this document, I am approving the selected removal action. The total project ceiling is \$240,000.00; this amount will be funded from the Regional removal allowance.

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Paul R. Peronard  
Federal On-Scene Coordinator

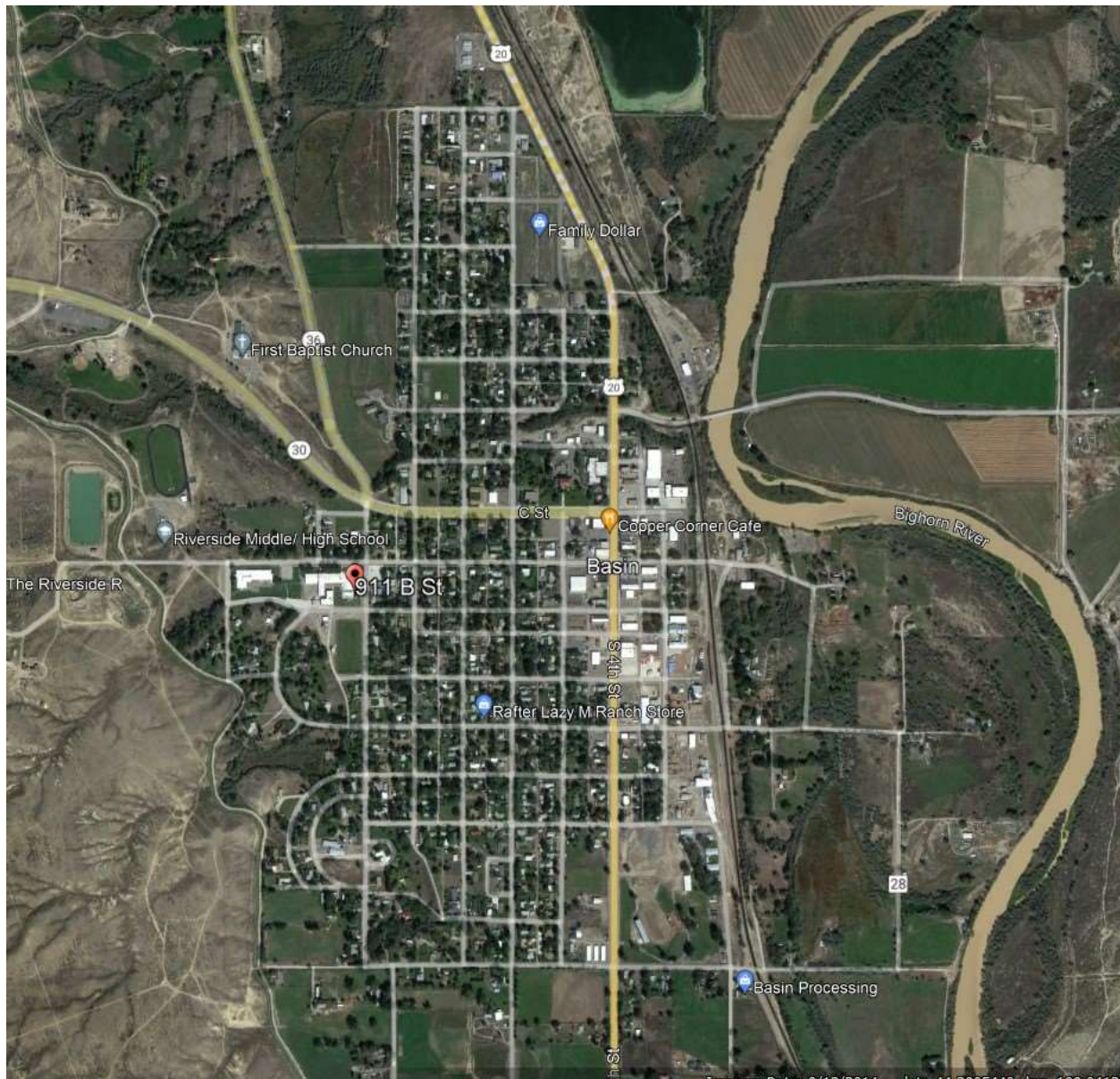
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Date

Attachment 1: Site Map  
Attachment 2: Chemical Inventory  
Attachment 3: Site Photographs



## Attachment 1 – Site Map



Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
neutralized	20X TBE buffer	75	ml	50
neutralized	20X TBE buffer concentrate	150	ml	50
not bulked	Abestos in Jar from Chicago Apparatus Co.	16	oz	100
4	aceto-carmin	4	oz	25
4	aceto-orcin	4	oz	25
4	acetylcholine bromide	100	ml	100
4	acid oxalic merck	1	lb	66
4	adrenaline	4	oz	50
2	albumin egg scales	4	oz	33
4	alga-grow (phosphoric acid mix)	600	ml	100
4	alizarin yellow bio stain	10	grams	50
2	aluminum chloride	1	lb	33
4	aluminum oxide	1	lb	66
4	aluminum oxide	1	lb	50
1	aluminum potassium sulphate	1	lb	66
1	aluminum potassium sulphate	5	lb	66
1	aluminum sodium sulfate	4	oz	66
1	aluminum sodium sulphate	1	lb	100
1	aluminum sulfate	1	lb	66
2	ammonium carbonate	500	grams	50
2	ammonium carbonate	1	lb	50
2	ammonium carbonate	1	lb	100
3	ammonium molybdate merck	0.25	lb	66
1	ammonium sulphate	500	grams	66
4	aniline blue	25	grams	25
2	antimony metal	1	lb	100
2	antimony trichloride	1	pint	100
4	bacteriostatic water	30	ml	100
4	balsam canada neutral dry	1	oz	100
4	balsam canada neutral filtered	25	grams	66
4	balsam canada xylene solution (synthetic)	1	oz	66
1	barium sulfate	500	grams	100
4	beef extract	4	oz	66
4	beta-nephthoxy acetic acid paste			66
4	bile salts	25	grams	50
4	biuret solution	8	ml	33
4	b-nine paste			50
4	boracic acid	4	oz	100
neutralized	buffer solution pH 10 carbonate type	500	ml	100
neutralized	buffer solution pH 7	473	ml	66
4	caffeine	100	grams	50
3	calcium	10	grams	66
4	calcium carbide	100	grams	33

## Attachment 2 – Chemical Inventory

[illegible]

Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
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Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
Solidified	Clean Assist #90 ZIZ-O Paste Cleaner	16	oz	100
neutralized	CO-01 - pH 10 buffer	500	ml	75
neutralized	CO-02 - pH 7 buffer	500	ml	50
neutralized	CO-03 - pH 4 buffer	500	ml	75
4	CO-04 - methanol	50	ml	25
not bulked	CO-05 - Indigo Red	500	ml	25
4	CO-06 - ammonia hydroxide	500	ml	25
4	CO-07 - ammonia hydroxide	500	ml	25
neutralized	CO-08 - ammonia hydroxide	500	ml	50
4	CO-09 - potassium hydroxide	250	ml	25
4	CO-10 - zinc nitrate	250	ml	50
1	CO-11 - sodium lauren sulfate	250	ml	75
4	CO-12 - ammonium hydroxide	250	ml	50
used up in HazCat	CO-13 - hydrogen peroxide	500	ml	25
neutralized	CO-14 - 50% acetic acid	500	ml	25
4	CO-15 - carosafe concentrate	1000	ml	75
neutralized	CO-16 - yellow liquid pH 14	50	ml	25
neutralized	CO-17 - 1.5% HCL	250	ml	50

Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
4	CO-18 - iodine	25	ml	25
neutralized	CO-19 - NaOH	50	ml	50
4	CO-20 - ammonium hydroxide	50	ml	50
4	CO-21 - chromatography solvent	250	ml	75
neutralized	CO-22 - NaOH	250	ml	50
neutralized	CO-23 - iodine	25	ml	50
3	CO-24 - silver nitrate	25	ml	25
neutralized	CO-25 - benedicts solution	25	ml	75
not bulked	CO-26 - KI	25	ml	25
not bulked	CO-27 - mercury reagent	50	ml	25
neutralized	CO-28 - blue transparent substance	250	ml	25
3	CO-29 - silver nitrate	100	ml	25
neutralized	CO-30 - brown transparent substance	200	ml	50
neutralized	CO-31 - yellow transparent substance	1000	ml	25
4	CO-32 - oleic acid, 200 parts ethanol	100	ml	25
neutralized	CO-33 - clear liquid pH 0	4	oz	25
4	CO-34 - methylene blue	50	ml	100
not bulked	CO-35 - mercury reagent	50	ml	50
4	CO-36 - neutral red	100	ml	50
4	CO-37 - toluidione blue	50	ml	100
4	CO-38 - ethanol	50	ml	50
4	CO-39 - 87% saline	250	ml	25
not bulked	CO-40 - potassium sulfocyanide	250	ml	25
neutralized	CO-41 - ringers	250	ml	25
neutralized	CO-42 - brown opaque liquid	100	ml	25
neutralized	CO-43 - aceto carmine	100	ml	25
3	CO-44 - silver nitrate	1	liter	25
4	CO-45 - white powder	1	liter	75
4	CO-46 - sodium sulfate	100	ml	75
3	CO-47 - ?	1	liter	100
3	CO-48	1	liter	50
4	CO-49 - gray/tan fine powder/clay"	250	ml	100
2	CO-50 - potassium carbonate	500	ml	50
3	CO-51 - chalk	500	ml	100
4	CO-52 - black rocks	250	ml	50
3	CO-53 - daphenylahine	100	ml	25
4	CO-54 - magenta	100	ml	25
3	CO-55 - diphenylamine	100	ml	75
4	CO-56 - blue transparent substance	200	ml	75
4	CO-57 - green dye?	5	ml	100
3	cobaltic oxide	4	oz	50

## Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
4	congo red	1	oz	50
3	copper brilliant	16	oz	100
4	crystal violet	10	grams	50
2	cupric chloride	4	oz	50
3	cupric oxide	1	lb	100
1	cupric sulfate	500	grams	33
2	cuprous chloride	500	grams	100
2	curpic carbonate	100	grams	33
not bulked	Cyanide Insect Killing Jar from Stansi Scientific	8	oz	25
2	daphnia (tin)	5	oz	100
4	deoxyribonucleic acid	75	grams	50
4	dextrin	4	oz	50
1	dextrose	5	lb	66
1	dextrose	5	lb	33
4	diastase of malt merck	1	oz	100
neutralized	dichlorophenoxy acetic acid	1	oz	66
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
4	dichlorophenolindophenol	10	ml	100
3	dimethylamino succinamic acid	0.25	oz	33
4	dimethylglyoxine	1	oz	100
3	diphenylamine	100	grams	66
2	egg albumen	4	oz	66
not bulked	Elemental mercury from Sargent Welch	20	ml	30
3	eosine	1	oz	33
4	eosine y	4	oz	66
4	fehlings "A" solution	16	oz	33
4	fehlings "B" solution	16	oz	66
2	ferric chloride	1	lb	33
2	ferric chloride	100	grams	100
2	ferric chloride	500	grams	100
1	ferric sulfate	500	grams	50
3	ferroin solution	120	ml	33
2	ferrous chloride	100	grams	50
1	ferrous sulfate	500	grams	33
1	ferrous sulfide	1	lb	66
3	fire clay	1	lb	66
4	fluorescein	25	grams	50
3	fluorite tincture	4	oz	50

## Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
4	formaldehyde 37%	500	ml	66
4	fuchsin	1	oz	100
transformer	General Electric small transformer	10	gal	100
4	glucose 15% starch 1%	25	ml	100
4	growth regulator pastes	20	ml	100
Solidified	Hillyard 350 Gym Finish	5	gal	100
Solidified	Hillyard 350 Gym Finish	5	gal	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	2.8	quart	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	2.8	quart	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	2.8	quart	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	5	gal	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	5	gal	100
Solidified	Hillyard Contender Finish Part A (Curing Agent)	5	gal	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
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Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Gym Line Marking Paint	1	quart	100
Solidified	Hillyard Part B Modified Epoxy Resin Emulsion	1.5	gal	100
neutralized	hydrochloric acid	50	ml	50
neutralized	hydrochloric acid	50	ml	50
neutralized	hydrochloric acid	50	ml	50
neutralized	hydrochloric acid	50	ml	50
neutralized	hydrochloric acid	50	ml	50
4	indantrione monohydrate	5	grams	50
4	indigo carmine	10	grams	50
neutralized	indole-3 acetic acid	0.25	oz	66
4	indole-3 acetic acid paste			66
neutralized	indoleacetic acid	5	grams	50
4	indolebutyric acid paste	1	oz	100
4	indophenol	1	grams	33
4	iodine	1	oz	100
4	iodine	30	ml	15
4	iodine potassium	500	ml	50

## Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
3	iron metal	1	lb	15
4	iron metal	1	lb	33
Solidified	Kaizer Trowleze	5	gal	100
4	lactose	500	grams	66
4	l-aniline	25	grams	100
not bulked	Lead chloride from Matheson, Coleman and Bell	250	ml	75
not bulked	Lead metal powder from Cenco	125	ml	50
not bulked	Lead sulfide from Cenco	250	ml	100
not bulked	Lead sulfide from from Baker and Adamson	125	ml	100
Solidified	Light Green Contender Gym Marking Paint	1	quart	100
Solidified	Light Green Contender Gym Marking Paint	1	quart	100
Solidified	Light Green Contender Gym Marking Paint	1	quart	100
Solidified	Light Green Contender Gym Marking Paint	1	quart	100
3	litharge	75	grams	15
not bulked	lithium battery	HD-D	batter	100
2	lithium chloride	100	grams	50
4	lithium metal	1	grams	100
4	litmus cubes	1	oz	50
4	lycopodium	25	grams	33
4	lycopodium powder	100	grams	50
4	lycopodium powder	100	grams	50
3	magnesium metal powder	4	oz	50
4	magnesium metal turnings	0.25	lb	33
4	magnesium oxide	1	lb	50
2	magnesium oxide	4	oz	50
1	magnesium sulfate	500	grams	50
1	magnesium sulfate	1	lb	50
1	magnesium sulfate	1	lb	50
4	malachite green	1	oz	100
4	malachite green	10	grams	50
4	malonic acid and potassium bromide solution	1	liter	100
4	malonic acid and potassium bromide solution	1	liter	100
1	manganese sulfate	1	lb	66
4	manganous sulfate	1	lb	50
4	methyl cellulose	4	oz	33
4	methyl red	25	grams	66
4	methyl red	10	grams	100
4	methyl violet	10	grams	66
4	methylene blue	1	oz	33
4	molybdate reagent	16	oz	66
left onsite	Motsenbocker's Lift Off 2 Tape Remover	22	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	22	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	22	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	22	oz	100

Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
left onsite	Motsenbocker's Lift Off 2 Tape Remover	22	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	32	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	32	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	32	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	32	oz	100
left onsite	Motsenbocker's Lift Off 2 Tape Remover	32	oz	100
3	naphthalene	500	grams	66
4	neurospora culture agar	100	grams	100
4	neutral red	120	ml	50
2	nickel chloride merck	0.25	lb	66
1	nickel sulfate	500	grams	66
1	nickelous sulfate	1	lb	66
4	ninhydrin	5	grams	33
4	ninhydrin	5	grams	100
4	nutrient broth	0.25	lb	50
4	oleic acid	500	ml	100
4	orange iv	25	grams	50
4	pancreatin	0.25	lb	100
4	pangestin	25	grams	100
4	pepsin	4	oz	66
4	pepsin	1	lb	50
4	peptone	4	oz	50
3	phenolphthalein	0.25	lb	66
3	phenyl salicylate	1	oz	25
3	phenyl salicylate	1	oz	100
neutralized	phosphate buffer	1	oz	33
4	phthalic anhydride	1	lb	66
4	polyox	1	oz	50
4	polyvinyl alcohol	100	grams	50
3	potassium bichromate	1	lb	50
1	potassium bisulfate	500	grams	50
4	potassium bitartrate	4	oz	50
3	potassium bromate solution	1	liter	100
3	potassium bromate solution	1	liter	100
3	potassium bromide	1	lb	15
2	potassium carbonate	1	lb	100
4	potassium chlorate	1	lb	100
2	potassium chloride	500	grams	50
2	potassium chloride	500	grams	15
not bulked	Potassium ferricyanide from Kodak	500	ml	50
4	potassium iodate acidified solution	280	ml	15
4	potassium iodate solution	100	ml	100
3	potassium oxalate	0.25	lb	50
3	potassium phosphate	500	grams	100

Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
3	potassium phosphate	500	grams	50
4	potassium sodium tartrate	1	lb	66
1	potassium sulfate	1	lb	66
1	potassium sulfate	1	lb	66
1	potassium sulphate	1	lb	66
4	potassium thiocyanate	0.25	lb	66
3	potato starch	1	lb	66
4	pyrogallol	10	grams	100
1	quinine sulfate	25	grams	100
3	safranin	100	ml	100
3	safranin	4	oz	50
3	safranin	4	oz	66
3	salicylate (phenyl)	1	oz	100
3	salicylate (phenyl)	1	oz	100
4	salicylic acid	500	grams	50
3	silver acetate	30	grams	100
3	silver acetate	1	oz	66
2	silver chloride	4	oz	100
not bulked	Silver cyanide from Mallinckrodt	250	ml	75
not bulked	Silver cyanide from Mallinckrodt	250	ml	75
3	silver nitrate	125	grams	100
4	simulated urine	15	ml	50
neutralized	soda ash (handwritten on lid)	15	gal	33
3	sodium acetate	1	lb	66
3	sodium acetate			
3	sodium acetate	500	grams	50
not bulked	Sodium arsenate from Central Scientific	125	ml	75
2	sodium bicarbonate	1	lb	33
1	sodium bisulfate	500	grams	50
1	sodium bisulfite	1	lb	66
3	sodium bromide	4	oz	100
3	sodium bromide	1	lb	66
2	sodium carbonate	500	grams	50
2	sodium carbonate	1	lb	66
2	sodium chloride	2	kg	25
3	sodium citrate	1	lb	50
2	sodium fluoride	0.25	lb	66
4	sodium iodine	100	grams	33
1	sodium lauryl sulfate	250	grams	50
3	sodium metabisulfite	1	lb	50
3	sodium phosphate	1	lb	100
3	sodium silicate	1	lb	66
3	sodium silicate	1	pint	66
1	sodium sulfate	1	lb	66

Attachment 2 – Chemical Inventory

Batch	Label ID / Description	Quantity	Units	% Full
1	sodium sulfate	500	grams	50
1	sodium sulfite	1	lb	50
1	sodium thiosulfate	500	grams	50
neutralized	spartan sparcling staphylocidal/pseudomonicidal/salmonellacidial	15	gal	100
neutralized	spartan sparcling staphylocidal/pseudomonicidal/salmonellacidial	15	gal	100
neutralized	spartan sparcling staphylocidal/pseudomonicidal/salmonellacidial	15	gal	100
neutralized	spartan square one heavy duty finish and wax stripper	15	gal	100
3	starch	100	grams	50
3	starch	500	grams	50
2	strontium chloride	500	grams	66
2	sucrose	100	ml	66
2	sucrose	100	ml	66
2	sucrose	500	grams	66
4	sudan III	1	oz	33
4	sudan III fat stain	120	ml	50
4	sulfur flowers	100	grams	33
4	sulfur flowers	100	grams	100
4	tannic acid powder	4	oz	50
4	tartaric acid	500	grams	50
4	tartaric acid	500	grams	100
4	tetra brom meta cresol sulfron phthalein	1	grams	50
2	tetrazolium chloride	5	grams	100
2	tin (II) chloride dihydrate	100	grams	33
2	titanium dioxide	1	lb	50
4	toluidine blue	120	ml	33
4	triethanolamine	1	oz	50
4	tween 20	1	oz	66
4	type A immersion oil	4	oz	100
Solidified	unlabeled	10	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100

Attachment 2 – Chemical Inventory

<b>Batch</b>	<b>Label ID / Description</b>	<b>Quantity</b>	<b>Units</b>	<b>% Full</b>
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
Solidified	Western Finishes Vinyl Flat Base 2 3622A	1	gal	100
transformer	Westinghouse 75 kva transformer (SN S-57C2034) - big transformer	15	gal	100
1	wood chips	1	lb	100
4	wright stain solution	1	oz	66
4	wrights blood stain solution	4	oz	50
3	zinc chloride	1	lb	50
4	zinc metal powder	500	grams	100
1	zinc sulfate	1	lb	50

Attachment 3 – Site Photographs

**Project Name:**

Basin School Chemicals

**Site Location:**

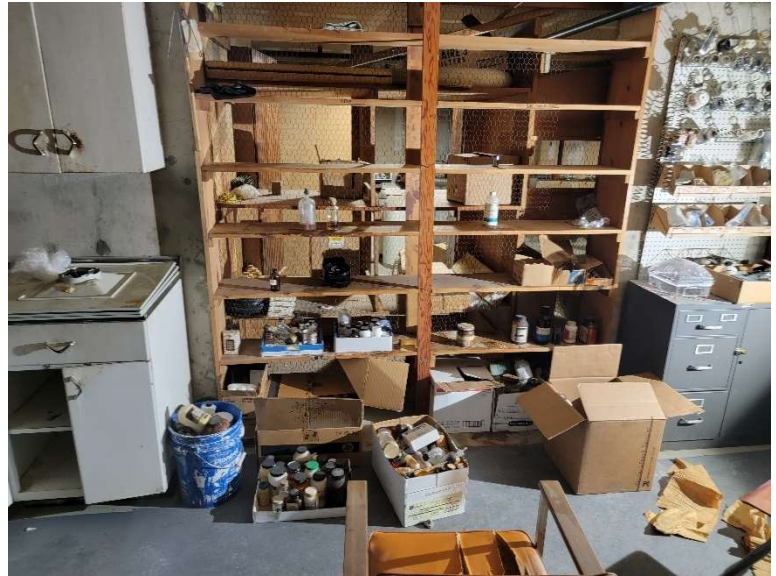
Basin, Wyoming

**Project No.**

TD# 2071-2210-06

**Photo  
Description:**

Initial conditions




**Photo  
Description:**


Initial conditions



Attachment 3 – Site Photographs


<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Initial conditions	
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<b>Photo Description:</b>	Initial conditions	
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Attachment 3 – Site Photographs


<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06

<b>Photo Description:</b>	Initial conditions	
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<b>Photo Description:</b>	Initial conditions	
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Attachment 3 – Site Photographs

<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Initial conditions	
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<b>Photo Description:</b>	Initial conditions	
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Attachment 3 – Site Photographs


<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Initial conditions	
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<b>Photo Description:</b>	Initial conditions	
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Attachment 3 – Site Photographs


<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Initial conditions	
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<b>Photo Description:</b>	Initial conditions	
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Attachment 3 – Site Photographs

<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06

<b>Photo Description:</b>	Potassium iodide (lab-packed)	
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<b>Photo Description:</b>	Mercury reagent (lab-packed)	
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Attachment 3 – Site Photographs

<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06
<b>Photo Description:</b>	Unknown container CO-05 (lab-packed)	
<b>Photo Description:</b>	Cyanide Insect Killer (lab-packed)	

Attachment 3 – Site Photographs


<u>Project Name:</u>	<u>Site Location:</u>	<u>Project No.</u>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Silver cyanide (lab-packed)	
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<b>Photo Description:</b>	Lead chloride (lab-packed)	
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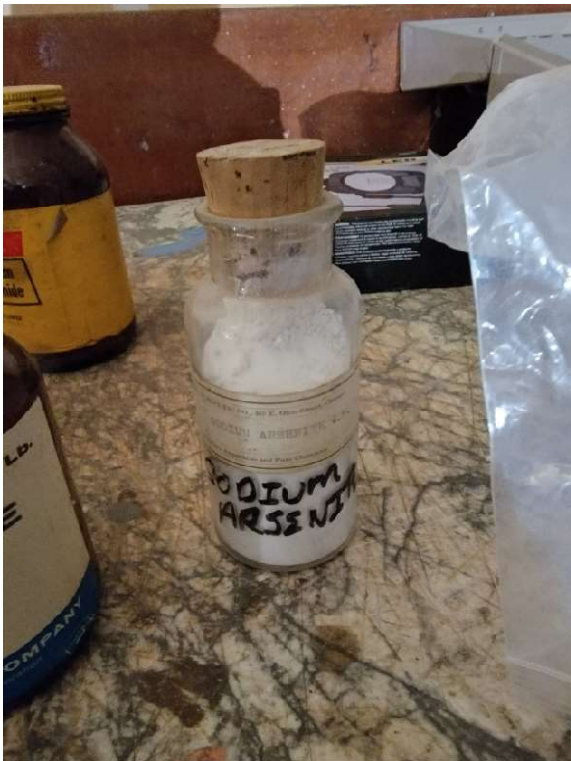
### Attachment 3 – Site Photographs

<b><u>Project Name:</u></b>	<b><u>Site Location:</u></b>	<b><u>Project No.</u></b>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06

<p><b>Photo Description:</b></p>	<p>Elemental mercury and lithium battery (lab-packed)</p>	
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<p><b>Photo Description:</b></p>	<p>Lead metal powder and lead sulfide (lab-packed)</p>	
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Attachment 3 – Site Photographs

<u>Project Name:</u>	<u>Site Location:</u>	<u>Project No.</u>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06
<b>Photo Description:</b>	Lead sulfide (lab-packed)	
<b>Photo Description:</b>	Sodium arsenate (lab-packed)	

Attachment 3 – Site Photographs

<u>Project Name:</u>	<u>Site Location:</u>	<u>Project No.</u>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06


<b>Photo Description:</b>	Lead sulfide (lab-packed)	
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<b>Photo Description:</b>	Potassium ferricyanide (lab-packed)	
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Attachment 3 – Site Photographs

<u>Project Name:</u>	<u>Site Location:</u>	<u>Project No.</u>
Basin School Chemicals	Basin, Wyoming	TD# 2071-2210-06

<b>Photo Description:</b>	Asbestos in jar (lab-packed)	
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<b>Photo Description:</b>	Potassium sulfocyanide (lab-packed)	
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Attachment 3 – Site Photographs

**Project Name:**

Basin School Chemicals

**Site Location:**

Basin, Wyoming

**Project No.**

TD# 2071-2210-06

**Photo  
Description:**

Small transformer that indicated PCBs in oil up to 83 parts per million



**Photo  
Description:**

Waste bulking operations in progress

