



Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF APRIL 22 - 27, 2013**  
**FORT WINGATE DEPOT ACTIVITY**



| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 4/23/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/23/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/24/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/24/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/25/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/26/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN, TETN, or TNT. The NEW of jet perforators are 25 gram composition of PETN, TETN, or TNT



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF APRIL 28 - MAY 4, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 4/29/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 4/30/2013 | 0700-1600      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 5/1/2013  | 0700-1500      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 5/2/2013  | 0700-1500      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF JUNE 10 - 15, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 6/12/2013 | 0700-1630      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF JUNE 17 - 23, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                         | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes         |
|-----------|----------------|--|--------------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---------------|
| 6/18/2013 | 0920-1151      | Smoke  | Smoke, HC, M14B1 or M14B3            | 4.1                          | 18                                 | 73.8                     | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Rocket                                       | Burster Tube, M8                     | 0.063                        | 3                                  | 0.189                    | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Flare  | US, Flare, Parachute, M9             | 0.064                        | 1                                  | 0.064                    | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Projectile                                   | 105mm, APDS-T, M392                  | 0.064                        | 2                                  | 0.128                    | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Projectile                                   | 20mm Projectile, TP-T, M206          | 0.007                        | 4                                  | 0.028                    | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Mortar                                       | British, SBML 2', Smoke, HC          | 2                            | 44                                 | 88                       | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Smoke  | US, Signal, Gnd, M18A1               | 0.314                        | 2                                  | 0.628                    | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Flare  | Cartridge Signal, Double Star, AN-M3 | 0.24                         | 4                                  | 0.96                     | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Bulk   | Smoke and Illum compound             | 44                           | 1                                  | 44                       | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/18/2013 | 0920-1151      | Projectile                                   | 75mm, Projectile, Smoke, HC, M89     | 1.68                         | 1                                  | 1.68                     | Burn             | Diesel                       | 10                           | No   | No  |               |
| 6/19/2014 | 0940-1100      |  |                                      |                              |                                    |                          |                  |                              |                              |  | Yes   | QC inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN, TETN, or TNT. The NEW of jet perforators are 25 gram composition of PETN, TETN, or TNT



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF JULY 15 - 20, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 7/17/2013 | 1145-1200      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |
| 7/20/2013 | 0900-1100      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF JULY 22 - 27, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                     | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|----------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 7/24/2013 | 0922-1200      | pyro cup                                     | unknown                          | < 1 oz                       | 146                                | < 146 oz                 | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | booster                                      | unknown                          | 1 oz                         | 32                                 | 36 oz                    | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M104                             | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | Mk 24                            | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | Mk 149                           | < 1 oz                       | 4                                  | 4 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M500                             | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M110                             | < 1 oz                       | 4                                  | 4 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M104                             | < 1 oz                       | 25                                 | 25 oz                    | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M 66                             | < 1 oz                       | 9                                  | 9 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | primer                                       | Birtish 2lb Mortar (smoke)       | < 1 oz                       | 1                                  | 1 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M 51 B1                          | < 1 oz                       | 2                                  | 2 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | assorted unknown fuze components | < 1 oz                       | 221                                | 211 oz.                  | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M 503                            | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | T 73                             | < 1 oz                       | 5                                  | 5 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | XM 766                           | < 1 oz                       | 2                                  | 2 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | Mk 48                            | < 1 oz                       | 1                                  | 1 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/24/2013 | 0922-1200      | fuze   | M 404                            | < 1 oz                       | 8                                  | 8 oz                     | burn             | diesel                       | 5 gal                        | No   | No  |       |
| 7/25/2013 | 0922-1100      |  |                                  |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF JULY 28 - AUGUST 3, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                          | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|---------------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 7/31/2013 | 0900-1100      | pyro cup                                     | unknown                               | < 1 oz                       | 10                                 | 10 oz                    | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | fuze   | M120                                  | < 1 oz                       | 61                                 | 61 oz                    | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | element                                      | M14 Delay                             | < 1 oz                       | 11                                 | 11 oz                    | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | fuze   | M90                                   | < 1 oz                       | 1                                  | 1 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | booster                                      | unknown                               | < 1 oz                       | 2                                  | 2 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | fuze   | unknown                               | < 1 oz                       | 10                                 | 10 oz                    | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | fuze   | unknown grenade                       | < 1 oz                       | 6                                  | 6 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | boom   | Mortar tail with poss live primer     | < 1 oz                       | 2                                  | 2 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | tube   | flash tube from cartridge case        | < 1 oz                       |                                    |                          | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | MPPEH  | Misc. samll fuze parts with poss dets | < 1 oz                       | 7                                  | 7 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | shell  | Shotgun, 3"                           | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | cartridge                                    | .45 cal blank                         | < 1 oz                       | 18                                 | 18 oz                    | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | cartridge                                    | 7.62 blank                            | < 1 oz                       | 5                                  | 5 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | primer                                       | Unknown Cartridge Actuated Device     | < 1 oz                       | 1                                  | 1 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | cartridge                                    | M21 20mm cartridge case               | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 7/31/2013 | 0900-1100      | primer                                       | Unknown Cartridge Actuated Device     | < 1 oz                       | 3                                  | 3 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 8/1/2013  | 1100-1200      |  |                                       |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF AUGUST 5 - 10, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date     | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature      | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|----------|----------------|--|-------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 8/9/2013 | 0630-0900      | projectile                                   | M 1 Smoke         | .037 lbs                     | 1                                  | .037 lbs                 | detonation       | Jet Perf                     | 3 ea                         | No   | No  |       |
| 8/9/2013 | 0630-0900      | projectile                                   | M 19 rifle grenad | .059 lbs                     | 1                                  | .059 lbs                 | detonation       | Jet Perf                     | 2 ea                         | No   | No  |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF AUGUST 26 - 31, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 8/29/2013 | 1200-1500      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 2 - 7, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date     | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature            | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|----------|----------------|--|-------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 9/6/2013 | 0630-1130      | projectile                                   | 75mm HE M48             | 1.34 lbs                     | 3                                  | 4.02 lbs                 | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |
| 9/6/2013 | 0630-1130      | projectile                                   | 3" APE Mk29             | 0.14 lb                      | 3                                  | .42 lb                   | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |
| 9/6/2013 | 0630-1130      | rocket                                       | 3.5" M28 (warhead only) | 1.88 lb                      | 1                                  | 1.88 lb                  | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |
| 9/6/2013 | 0630-130       | mortar                                       | 60mm M49                | .79 lb                       | 9                                  | 7.11 lb                  | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |
| 9/6/2013 | 0630-1130      | mortar                                       | 81 mm M43               | 1.3 lb                       | 8                                  | 10.4 lb                  | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |
| 9/6/2013 | 0630-1130      | booster                                      | unknown                 | < 2 oz                       | 2                                  | < 4 oz                   | detonation       | Jet Perf                     | 1 ea                         | No   | No  |       |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 16 - 21, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes              |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--------------------|
| 9/19/2013 | 0730-1530      |  |              |                              |                                    |                          |                  |                              |                              | No   | Yes   | Vegetation Control |

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**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 23 - 28, 2013  
FORT WINGATE DEPOT ACTIVITY**



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                              | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|---|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 9/24/2013 | 0700-1345      | projectile                                   | Mk 2 40mm debris                          | < 1 oz                       | 194                                | < 194 oz                 | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | propellant                                   | loose gun propellant grains               | 10.25 lb                     | 10.25 lb                           | 10.25 lb                 | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | HE chunks                                    | Loose high explosives pieces              | 29.7 lb                      | 29.7 lb                            | 29.7 lb                  | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | frag   | metal greagments with traces of explosive | < 1 oz                       | 17.8 lb                            | < 200 oz                 | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | det cord                                     | 4 ft piece of det cord                    | < 1 oz                       | 4                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | tracer                                       | tracer from 90mm AA projectile            | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | bomb   | M83 body with trace of HE inside          | < 2 oz                       | 3                                  | < 6 oz                   | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/24/2013 | 0700-1345      | burster                                      | portion of 4.5" rocket burster            | 3 oz                         | 1                                  | 3 oz                     | burn             | diesel                       | 10 gal                       | No   | No  |       |
| 9/26/2013 | 0800-0930      |  |   |                              |                                    |                          |                  |                              |                              | No   | Yes   |       |

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**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF NOVEMBER 4 - 9, 2013**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|-------|
| 11/7/2013 | 0800-1600      | projectile                                   | M103         | 0                            | 1                                  | 0                        | detonation       | Jet Perf                     | 1ea                          | No   | No  |       |
| 11/7/2013 | 0800-1600      | projectile                                   | M71          | 0                            | 3                                  | 0                        | detonation       | Jet Perf                     | 1ea                          | No   | No  |       |
| 11/7/2013 | 0800-1600      | projectile                                   | M86          | 0                            | 13                                 | 0                        | detonation       | Jet Perf                     | 13 ea                        | No   | No  |       |
| 11/7/2013 | 0800-1600      | projectile                                   | Mk38         | .25lb                        | 1                                  | 0.25                     | detonation       | booster                      | 1 ea                         | No   | No  |       |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN, TETN, or TNT. The NEW of jet perforators are 25 gram composition of PETN, TETN, or TNT



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF DECEMBER 16-20, 2013  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature  | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                     |
|------------|----------------|--|---------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---------------------------|
| 12/18/2013 | 1300-1430      | Bulk Explosive                               | 25OC12E2      | 1lb                          | 55                                 | 55                       | detonation       | nonel cap                    | n/a                          | No   | No  |                           |
| 12/18/2013 | 1300-1400      | prima cord                                   | 27AD1261-4080 | 1lb                          | 950'                               | 1lb                      | detonation       | booster                      | n/a                          | No   | No  |                           |
| 12/18/2013 | 1300-1400      | nonel detonators                             | 05NO12X-0002  | <1oz                         | 146                                | <1oz                     | detonation       | booster                      | n/a                          | No   | No  |                           |
| 12/18/2013 | 1300-1400      | Electric Detonator                           | 10SE12SI-1040 | <1oz                         | 21                                 | <1oz                     | detonation       | booster                      | n/a                          | No   | No  |                           |
| 12/18/2013 | 1300-1400      | nonel lead                                   | 04MA13WI-0112 | <1oz                         | 3500'                              | <1oz                     | detonation       | booster                      | n/a                          | No   | No  |                           |
| 12/19/2013 | 0800-1000      |  |               |                              |                                    |                          |                  |                              |                              |  | Yes   | Fill in detonation crater |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN, TETN, or TNT. The NEW of jet perforators are 25 gram composition of PETN, TETN, or TNT



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF MAY 5 - 9, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date     | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature         | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|----------|----------------|--|----------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 5/8/2014 | 0700-1200      | MPPEH  | plant hopper & pipes | 0                            | 0                                  | 0                        | detonation       | jet perforator and det cord  | N/A                          | No   | No  | Vented MPPEH in order to complete visual inspection prior to flashing |
| 5/9/2014 | 0800-0830      |  |                      |                              |                                    |                          |                  |                              |                              | No   | Yes   | Post-demolition clean-up for venting of MPPEH                         |
|          |                |  |                      |                              |                                    |                          |                  |                              |                              |  |   |   |
|          |                |  |                      |                              |                                    |                          |                  |                              |                              |  |   |   |
|          |                |  |                      |                              |                                    |                          |                  |                              |                              |  |   |   |
|          |                |  |                      |                              |                                    |                          |                  |                              |                              |  |   |   |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF JUNE 9 - 15, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes              |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--------------------|
| 6/13/2014 | 1100-1330      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.





**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF JUNE 16 - 22, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| <b>Date</b> | <b>Start/End Time</b> | <b>Munition Type (e.g., fuze, projectile, etc.)</b> | <b>Nomenclature</b> | <b>Estimated NEW per Item (lbs)</b> | <b>Quantity or Weight (number or lbs)</b> | <b>Total NEW of Items (lbs)</b> | <b>Treatment Method</b> | <b>Ignition <sup>1</sup> Source</b> | <b>Ignition Source Volume (gal)</b> | <b>Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM.</b> | <b>Maintenance &amp; Repair Activities at CAMU (Yes or No. If yes, see separate sheet)</b> | <b>Notes</b>       |
|-------------|-----------------------|---|---------------------|-------------------------------------|---|---------------------------------|-------------------------|-------------------------------------|-------------------------------------|---|--|--------------------|
| 6/20/2014   | 0900-1400             |   |                     |                                     |   |                                 |                         |                                     |                                     |   | Yes  | Vegetation Control |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF JULY 14 - 20, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| <b>Date</b> | <b>Start/End Time</b> | <b>Munition Type (e.g., fuze, projectile, etc.)</b> | <b>Nomenclature</b> | <b>Estimated NEW per Item (lbs)</b> | <b>Quantity or Weight (number or lbs)</b> | <b>Total NEW of Items (lbs)</b> | <b>Treatment Method</b> | <b>Ignition <sup>1</sup> Source</b> | <b>Ignition Source Volume (gal)</b> | <b>Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM.</b> | <b>Maintenance &amp; Repair Activities at CAMU (Yes or No. If yes, see separate sheet)</b> | <b>Notes</b>       |
|-------------|-----------------------|---|---------------------|-------------------------------------|---|---------------------------------|-------------------------|-------------------------------------|-------------------------------------|---|--|--------------------|
| 7/17/2014   | 0800-1000             |   |                     |                                     |   |                                 |                         |                                     |                                     |   | Yes  | Vegetation Control |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |
|             |                       |   |                     |                                     |   |                                 |                         |                                     |                                     |   |  |                    |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF JULY 28 - AUGUST 3, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes              |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--------------------|
| 7/28/2014 | 0900-1200      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control |
| 7/29/2014 | 1000-1300      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control |
| 8/2/2014  | 1000-1200      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |                    |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF AUGUST 4 - 10, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date     | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                   | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|----------|----------------|--|--------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 8/8/2014 | 0800-1600      | projectile                                   | 120mm mortar                   | 5                            | 2                                  | 10                       | detonation       | Jet Perf                     |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | projectile                                   | 105mm                          | 5.08                         | 6                                  | 30.48                    | detonation       | Jet Perf                     |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | projectile                                   | 90mm                           | 2.15 lbs                     | 7                                  | 15.05                    | detonation       | Jet Perf                     |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | projectile                                   | M4381mm mortar                 | 1.3 lb                       | 11                                 | 14.3                     | detonation       | Jet Perf                     |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | projectile                                   | 57mm                           | < 2 oz                       | 16                                 | 2 lbs                    | detonation       | Jet Perf                     |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | projectile                                   | M54 37mm                       | 1.6 oz                       | 6                                  | 9.6 oz                   | detonation       | Jet Perf                     |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | rocket                                       | M28 3.5" rocket                | 1.9 lb                       | 3                                  | 5.7 lb                   | detonation       | Jet Perf                     |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | rocket                                       | 2.75" rocket                   | 2.3 lb                       | 1                                  | 2.3 lb                   | detonation       | Jet Perf                     |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | bomb   | BLU-3 component                | < 1 oz                       | 1                                  | < 1 oz                   | detonation       | booster                      |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | perforator                                   | damaged 19 gram jet perforator | < 1 oz                       | 2                                  | < 2 oz                   | detonation       | booster                      |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | bulk explosive                               | high explosive                 | 35                           | 1                                  | 35                       | detonation       | booster                      |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | primer                                       | flash tube                     | < 1 oz                       | 4                                  | < 4 oz                   | detonation       | booster                      |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | unknown tube                                 | unknown tube                   | < 1 oz                       | 2                                  | < 2 oz                   | detonation       | booster                      |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/8/2014 | 0800-1600      | burster                                      | burster                        | < 1 oz                       | 5                                  | < 5 oz                   | detonation       | booster                      |                              | No   | No  |   |
| 8/8/2014 | 0800-1600      | primer                                       | 57mm cartridge case            | < 1 oz                       | 1                                  | < 1 oz                   | detonation       | booster                      |                              | No   | No  | Minimal HE, vented for MPPEH inspection       |
| 8/9/2014 | 0800-1300      |  |                                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-demolition clean-up for venting of MPPEH |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF AUGUST 11 - 17, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature    | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes  |
|-----------|----------------|--|-----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--|
| 8/14/2014 | 0800-1100      | projectile                                   | M54 37mm        | 1.6 oz                       | 2                                  | 3.2 oz                   | detonation       | booster                      | 1 ea                         |  | No  |  |
| 8/14/2014 | 0800-1100      | projectile                                   | 40mm projectile | 0.148 lbs                    | 30                                 | 4.44                     | detonation       | booster                      | 4 ea                         |  | No  |  |
| 8/14/2014 | 0800-1100      | projectile                                   | 75mm            | 1.75                         | 33                                 | 57.5                     | detonation       | Jet Perf                     | 44 ea                        | No   | No  | Minimal HE, vented for MPPEH inspection            |
| 8/14/2014 | 1200-1600      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-demolition clean-up for venting of MPPEH      |
| 8/15/2014 | 0800-1145      | projectile                                   | 40mm projectile | 0.148                        | 397                                | 58.75 lb                 | detonation       | boosters                     | 58 each                      | No   | No  |  |
| 8/15/2014 | 1300-1600      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-demolition clean-up for venting of MPPEH      |
| 8/16/2014 | 0800-1530      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Completed post-demolition clean up from 8-15-2014. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF AUGUST 18 - 24, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 8/18/2014 | 0800-1200      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control: weed eating / mowing                    |
| 8/19/2014 | 0800-1400      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control: weed eating / mowing. Seeded bare spots |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |   |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |   |
|           |                |  |              |                              |                                    |                          |                  |                              |                              |  |   |   |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF AUGUST 25 - 31, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature    | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                                     |
|-----------|----------------|--|-----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 8/27/2014 | 0800-1600      | Fuze   | MK 149 Fuze     | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | M503 PD Fuze    | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Booster                                      | Boosters        | < 1 oz                       | 271                                | < 271 oz                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | Frag Bomb Fuze  | < 1 oz                       | 2                                  | < 2 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | M101 Fuze       | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | M66 Fuze        | < 1 oz                       | 135                                | < 135 oz                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | M404 Base Fuze  | < 1 oz                       | 8                                  | < 8 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | M219 Fuze       | < 1 oz                       | 27                                 | < 27 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Fuze   | Unknown Fuzes   | < 1 oz                       | 126                                | < 126 oz                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Projectile                                   | 20MM Projectile | < 1 oz                       | 50                                 | < 50 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/27/2014 | 0800-1600      | Projectile                                   | 40MM Projectile | 0.148                        | 10                                 | 1.48 lb                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 8/28/2014 | 1200-1400      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- burn clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF SEPTEMBER 8 - 14, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                              |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|------------------------------------|
| 9/12/2014 | 1200-1400      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control:<br>Weed-eating |
| 9/13/2014 | 0800-1130      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation Control: Mowing         |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.





**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 15 - 21, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature                         | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                                     |
|-----------|----------------|--|--------------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 9/19/2014 | 0800-1600      | projectile                                   | 20mm with trace amounts of HE inside | < 0.42 oz                    | 822                                | < 345 oz                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | projectile                                   | 40mm (unfuzed)                       | 0.148 lbs                    | 10                                 | 1.48 pounds              | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | bomb   | M83 body with trace of HE inside     | < 2 oz                       | 43                                 | < 86 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | bomb   | BLU-4 (partial)                      |                              | 23                                 |                          | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | primer                                       | primer                               | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | fuze   | PD fuze                              | < 1 oz                       | 3                                  | < 3 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | fuze   | Base fuze                            | < 1 oz                       | 4                                  | < 4 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | fuze   | M66 fuze                             | < 1 oz                       | 29                                 | < 29 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | booster                                      | booster                              | < 1 oz                       | 40                                 | < 40 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | burst  | burst                                | < 1 oz                       | 6                                  | < 6 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
| 9/19/2014 | 0800-1600      | MPPEH  | Previously vented MPPEH              | < 2 oz                       | 16                                 | < 32 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                      |
|           |                |  |                                      | <b>TOTAL</b>                 | <b>997</b>                         |                          |                  |                              |                              |  |   |   |
| 9/20/2014 | 1315-1530      |  |                                      |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- burn clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 22 - 28, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature                          | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|---------------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 9/24/2014 | 0800-1600      | projectile                                   | 20mm projectile                       | <0.42 oz                     | 21                                 | < 8.82 oz                | detonation       | booster                      | 2 ea                         | No   | No  | Destroyed by detonation                           |
| 9/24/2014 | 0800-1600      | projectile                                   | 37mm projectile                       | 1.6 oz                       | 21                                 | < 2.1 lb                 | detonation       | booster                      | 4 ea                         | No   | No  | Destroyed by detonation                           |
| 9/24/2014 | 0800-1600      | bomb   | M83 butterfly bomb (unfuzed, partial) | < 9 oz                       | 6                                  | < 54 oz                  | detonation       | booster                      | 11 ea                        | No   | No  | Destroyed by detonation                           |
| 9/24/2014 | 0800-1600      | projectile                                   | 60mm shell for M2 landmine (partial)  | < 6.4 oz                     | 12                                 | < 76.8 oz                | detonation       | booster                      | 11 ea                        | No   | No  | Destroyed by detonation                           |
| 9/24/2014 | 0800-1600      | projectile                                   | 81mm mortar                           |                              | 4                                  | 5.2 lb                   | detonation       | perforator                   | 4 ea                         | No   | No  | Perforated. Determined to be wax-filled post-shot |
| 9/24/2014 | 0800-1600      | burst  | burst                                 | < 1 oz                       | 1                                  | < 1 oz                   | detonation       | booster                      | 1 ea                         | No   | No  | Destroyed by detonation                           |
| 9/24/2014 | 0800-1030      | projectile                                   | 57mm APHE projectile                  | < 1 oz                       | 1                                  | < 1 oz                   | detonation       | perforator                   | 1 ea                         | No   | No  | Destroyed by detonation                           |
|           |                |  | <b>TOTAL</b>                          |                              | <b>66</b>                          |                          |                  |                              |                              |  |   |   |
| 9/24/2014 | 1045-1600      |  |                                       |                              |                                    |                          |                  |                              |                              | No   | Yes   | and MPPEH inspection                              |
| 9/27/2014 | 0800-1630      | projectile                                   | 40mm (unfuzed)                        | 0.148 lbs                    | 520                                | 76.96 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | projectile                                   | 20mm (unfuzed)                        | <0.42 oz                     | 9                                  | 3.78 oz                  | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | projectile                                   | 37mm (unfuzed)                        | 1.6 oz                       | 3                                  | 4.8 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | bomb   | M83 butterfly bomb (unfuzed, partial) | < 9 oz                       | 1                                  | 9 oz                     | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | fuze   | M66 fuze                              | < 1 oz                       | 2                                  | < 2 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | booster                                      | booster                               | < 1 oz                       | 2                                  | < 2 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
| 9/27/2014 | 0800-1630      | MPPEH  | Previously vented MPPEH               | < 1 oz                       | 6                                  | < 6 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                              |
|           |                |  | <b>TOTAL</b>                          |                              | <b>543</b>                         |                          |                  |                              |                              |  |   |   |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF SEPTEMBER 29 - OCTOBER 5, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature   | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 9/29/2014 | 0900-1000      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Begin post- burn clean-up and MPPEH inspection. Cancelled due to severe weather. Put lid on pan and secured operations. |
| 9/30/2014 | 0900-1400      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | and MPPEH inspection  |
| 10/1/2014 | 0800-1630      | projectile                                   | 40mm (unfuzed) | 0.148 lbs                    | 460                                | 68.08 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning  |
| 10/1/2014 | 0800-1630      | projectile                                   | 37mm (unfuzed) | 1.6 oz                       | 5                                  | 8 oz                     | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning  |
| 10/1/2014 | 0800-1630      | booster                                      | booster        | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning  |
|           |                |  |                | <b>TOTAL</b>                 | <b>466</b>                         |                          |                  |                              |                              |  |   |   |
| 10/2/2014 | 1300-1530      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post demolition clean-up and MPPEH inspection.  |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF OCTOBER 6 - 12, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature   | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes  |
|------------|----------------|--|----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--|
| 10/6/2014  | 0900-1630      | projectile                                   | 40mm (unfuzed) | 0.148 lbs                    | 450                                | 66.66 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/7/2014  | 1310-1430      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post demolition clean-up and MPPEH inspection. |
| 10/8/2014  | 0730-1230      | projectile                                   | 40mm (unfuzed) | 0.148 lbs                    | 450                                | 66.66 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/10/2014 | 0930-1045      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post demolition clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF OCTOBER 13 - 19, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature   | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes  |
|------------|----------------|--|----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--|
| 10/14/2014 | 0730-1230      | projectile                                   | 40mm (unfuzed) | 0.148 lbs                    | 450                                | 66.66 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/14/2014 | 0730-1230      | booster                                      | booster        | < 1 oz                       | 2                                  | < 2 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/14/2014 | 0730-1230      | projectile                                   | 20mm (unfuzed) | <0.42 oz                     | 1                                  | < 0.42 oz                | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
|            |                |  |                | <b>TOTAL</b>                 | <b>453</b>                         |                          |                  |                              |                              |  |   |  |
| 10/15/2014 | 1330-1430      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post demolition clean-up and MPPEH inspection. |
| 10/16/2014 | 0730-1230      | projectile                                   | 40mm (unfuzed) | 0.148 lbs                    | 374                                | 55.35 lb                 | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/16/2014 | 0730-1230      | booster                                      | booster        | < 1 oz                       | 3                                  | < 3 oz                   | burn             | diesel                       | 10 gal                       | No   | No  | Destroyed by burning                           |
| 10/16/2014 | 0730-1230      | burster                                      | burster        | < 1 oz                       | 1                                  | < 1 oz                   | burn             | diesel                       | 10 gal                       | No   |   | Destroyed by burning                           |
|            |                |  |                | <b>TOTAL</b>                 | <b>378</b>                         |                          |                  |                              |                              |  |   |  |
| 10/17/2014 | 1330-1500      |  |                |                              |                                    |                          |                  |                              |                              |  | Yes   | Post demolition clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF OCTOBER 20 - 26, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature                     | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|------------|----------------|--|----------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 10/22/2014 | 0730-1200      | projectile                                   | 20mm projectile                  | <0.42 oz                     | 2                                  | 0.84 oz                  | detonation       | booster                      | 1                            | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 37 mm projectile                 | 1.6 oz                       | 1                                  | 1.6 oz                   | detonation       | booster                      | 1                            | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 40mm projectile                  | 0.148 lbs                    | 32                                 | 4.7 pounds               | detonation       | booster                      | 13                           | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 57mm projectile                  | < 2 oz                       | 1                                  | < 2 oz                   | detonation       | booster                      | 1                            | No   | No  | Destroyed by detonation.                        |
|            |                | projectile                                   | M2/M43 60mm                      | 6.7 oz                       | 6                                  | 2.51 pounds              |                  |                              |                              | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 75mm HE projectile               | 1.49 pounds                  | 9                                  | 13.41                    | detonation       | perforator                   | 9                            | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 75mm WP projectile               | 15.73 oz                     | 1                                  | 15.73 oz                 | detonation       | perforator                   | 4                            | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | projectile                                   | 81mm mortar                      | 1.3 lb                       | 12                                 | 15.6 pounds              | detonation       | booster                      | 17                           | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1200      | fuze   | M66 fuze                         | < 1 oz                       | 1                                  | < 1 oz                   | detonation       | booster                      | 1                            | No   | No  | Destroyed by detonation.                        |
| 10/22/2014 | 0730-1230      | rocket motor                                 | rocket motor for M28 3.5" rocket | 0.44 pounds                  | 10                                 | 4.4 pounds               | detonation       | booster                      | 8                            | No   | No  | Destroyed by detonation.                        |
|            |                |  |                                  | <b>TOTAL</b>                 | <b>75</b>                          |                          |                  |                              |                              |  |   |   |
| 10/22/2014 | 1300-1500      |  |                                  |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- detonation clean-up and MPPEH inspection. |
| 10/23/2014 | 1300-1330      |  |                                  |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- detonation clean-up and MPPEH inspection. |
| 10/24/2014 | 1230-1400      |  |                                  |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- detonation clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF NOVEMBER 17 - 23, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature   | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|------------|----------------|--|----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 11/20/2014 | 1030-1600      | Bomb   | 20lb Frag bomb | 2.8                          | 42                                 | 117.6                    | Detonation       | Perferator, Jet              | 50                           | No   | Yes   | Post- detonation clean-up and MPPEH inspection. |
| 11/20/2014 | 1030-1600      | Projectile                                   | 81mm Mortar    | 1.3                          | 25                                 | 32.5                     | Detonation       | Perferator, Jet              | 16                           | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 75mm           | 1.34                         | 10                                 | 13.4                     | Detonation       | Perferator, Jet              | 10                           | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 90mm           | 1.56                         | 4                                  | 6.24                     | Detonation       | Perferator, Jet              | 4                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 105mm          | 4.6                          | 1                                  | 4.6                      | Detonation       | Perferator, Jet              | 1                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 57mm           | 0.1                          | 1                                  | 0.1                      | Detonation       | Perferator, Jet              | 1                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 40mm           | 0.187                        | 5                                  | 0.935                    | Detonation       | Perferator, Jet              | 5                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 37mm           | 0.1                          | 3                                  | 0.3                      | Detonation       | Perferator, Jet              | 3                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Projectile                                   | 20mm           | 0.1                          | 4                                  | 0.4                      | Detonation       | Sympathetic                  | 0                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Bulk HE                                      | N/A            | 0.5                          | 2                                  | 1                        | Detonation       | Sympathetic                  | 0                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Nose Cone                                    | N/A            | 0.5                          | 1                                  | 1                        | Detonation       | Perferator, Jet              | 1                            | No   | Yes   |   |
| 11/20/2014 | 1030-1600      | Landmine                                     | M2             | 0.42                         | 19                                 | 7.98                     | Donor            | Donor                        | 19                           | No   | Yes   |   |
|            |                |  |                | <b>TOTAL</b>                 | <b>117</b>                         |                          |                  |                              |                              |  |   |   |
| 11/21/2014 | 1000-1300      |  |                |                              |                                    |                          |                  |                              |                              |  |   | Post- detonation clean-up and MPPEH inspection. |
| 11/22/2014 | 0945-1530      | Projectile                                   | 75mm           | .037 lbs                     | 5                                  | 0.185                    | detonation       | Perferator, Jet              | 10 Ea                        | No   | Yes   |   |
|            |                |  |                | <b>TOTAL</b>                 | <b>5</b>                           |                          |                  |                              |                              |  |   |   |
| 11/22/2014 | 1530-1630      |  |                |                              |                                    |                          |                  |                              |                              |  |   | Post- detonation clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF NOVEMBER 24 - 30, 2014**  
**FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|------------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 11/24/2014 | 0820-1130      | Projectile                                   | 75mm         | .037 lbs                     | 10                                 | 0.37                     | detonation       | Perferator, Jet              | 30 ea                        | No   | Yes   | Post- detonation clean-up and MPPEH inspection. |
|            |                |  |              | <b>TOTAL</b>                 | <b>10</b>                          |                          |                  |                              |                              |  |   |   |
| 11/24/2014 | 1300-1500      |  |              |                              |                                    |                          |                  |                              |                              |  |   | Post- detonation clean-up and MPPEH inspection. |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.





**CAMU TREATMENT OPERATIONS LOG  
WEEK OF DECEMBER 1 - 7, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date      | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature                     | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                     |
|-----------|----------------|--|----------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---------------------------|
| 12/6/2014 | 0800-1630      | Detonators                                   | Unk Detonator                    | <1g                          | 4                                  | <4g                      | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Burster Tubes                                | Unk Burster Tubes                | 35g                          | 2                                  | 70g                      | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Boosters                                     | Unk Boosters                     | 65g                          | 13                                 | 845g                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Bomb   | M83 (unfuzed)                    | 0.47                         | 4                                  | 1.88                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | projectile                                   | 20mm                             | 7g                           | 8                                  | 56g                      | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | projectile                                   | 37mm                             | 45g                          | 14                                 | 630g                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | projectile                                   | 40mm                             | 0.187                        | 170                                | 31.79                    | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | projectile                                   | 57mm                             | 227g                         | 1                                  | 227g                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | MPPEH  | Assorted previously burned items | asst values                  | 15                                 | 19.44                    | Burn             | Diesel                       | 10gal                        | No   | No  | 105mm, (2) 37mm, (2) 20mm |
| 12/6/2014 | 0800-1630      | Fuze   | base fuze                        | 2g                           | 1                                  | 2g                       | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Fuze   | T-Bar                            | 1g                           | 2                                  | 2g                       | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | fuze   | M404                             | 5g                           | 11                                 | 55g                      | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | fuze   | M66 fuze                         | 8g                           | 5                                  | 40g                      | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | rocket motor                                 | 3.5" motor                       | 200g                         | 4                                  | 800g                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Propellant                                   | Bulk propellant                  | <1                           | 1                                  | <1                       | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
| 12/6/2014 | 0800-1630      | Projectile                                   | 2' Smoke                         | <1g                          | 11                                 | <11g                     | Burn             | Diesel                       | 10gal                        | No   | No  |                           |
|           |                |  |                                  | <b>TOTAL</b>                 | <b>267</b>                         |                          |                  |                              |                              |  |   |                           |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF DECEMBER 8 - 14, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature           | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|------------|----------------|--|------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 12/8/2014  |                |  |                        |                              |                                    |                          |                  |                              |                              |  | Yes   | Post- burn clean-up and MPPEH inspection.     |
| 12/10/2014 | 0800-1630      | projectile                                   | 75mm WP projectile     | 1oz                          | 18                                 | 1.25                     | Detonation       | Perforator, jet              | 54                           | No   | No  |   |
| 12/10/2014 | 0800-1630      | projectile                                   | 90mm WP projectile     | 2.3oz                        | 1                                  | 2.3oz                    | Detonation       | Perforator, jet              | 3                            | No   | No  |   |
| 12/10/2014 | 0800-1630      | projectile                                   | 105mm WP projectile    | 92.5g                        | 4                                  | 370g                     | detonation       | Perforator, jet              | 12                           | No   | No  |   |
| 12/10/2014 | 0800-1630      | projectile                                   | 3.5" rocket warhead WP | 8g                           | 1                                  | 8g                       | detonation       | Perforator, jet              | 2                            | No   | No  |   |
| 12/10/2014 | 0800-1630      | projectile                                   | 75mm WP projectile     | 1oz                          | 2                                  | 2oz                      | detonation       | Boosters                     | 6                            | No   | No  |   |
|            |                |  |                        | <b>TOTAL</b>                 | <b>26</b>                          |                          |                  |                              |                              |  |   |   |
| 12/11/2014 |                |  |                        |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF DECEMBER 15 - 21, 2014  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date       | Start/End Time | Munition Type (e.g., Fuze, projectile, etc.) | Nomenclature                                    | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|------------|----------------|--|---|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 12/16/2014 | 0800-1630      | Projectile                                   | 20mm  | 0.01                         | 1                                  | 0.01                     | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Projectile                                   | 37mm  | 0.1                          | 1                                  | 0.1                      | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Projectile                                   | 40mm  | 0.17                         | 24                                 | 4.14                     | detonation       | Perforators                  |                              | No   | No  |   |
| 12/16/2014 | 0800-1633      | Projectile                                   | 81mm mortar                                     | 1.22                         | 4                                  | 4.88                     | detonation       | Perforators                  |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Projectile                                   | 60mm mortar                                     | 0.6                          | 1                                  | 0.6                      | detonation       | Perforators                  |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Projectile                                   | 75mm  | 1.42                         | 3                                  | 4.26                     | detonation       | Perforators                  |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Projectile                                   | WP 105mm  | 1.24                         | 6                                  | 7.48                     | detonation       | Perforators                  |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | MPPEH  | Burster tube = 40mm                             | 0.32                         | 2                                  | 0.32                     | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Fuze   | M66 fuze  | 0.013                        | 3                                  | 0.4                      | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Fuze   | PD fuze   | 0.05                         | 1                                  | 0.05                     | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | rocket motor                                 | 3.5" motor                                      | 0.44                         | 1                                  | 0.44                     | detonation       | Boosters                     |                              | No   | No  |   |
| 12/16/2014 | 0800-1630      | Burster Tubes                                | asst. burster tube                              | 0.15                         | 1                                  | 0.15                     | detonation       | Boosters                     |                              | No   | No  |   |
|            |                |  |   | <b>TOTAL</b>                 | <b>48</b>                          |                          |                  |                              |                              |  |   |   |
| 12/19/2014 |                |  |   |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH inspection |
| 12/18/2014 | 0800-1630      | MPPEH  | Failed perforator from previous demolition shot | 19.5g                        | 1                                  | 19.5g                    | Burn             | Diesel                       | 5gal                         | No   | No  |   |
|            |                |  |   | <b>TOTAL</b>                 | <b>1</b>                           |                          |                  |                              |                              |  |   |   |
| 12/19/2014 |                |  |   |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-burn clean-up and MPPEH inspection       |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



**CAMU TREATMENT OPERATIONS LOG  
WEEK OF FEBRUARY 2 - 8, 2015  
FORT WINGATE DEPOT ACTIVITY**

Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

| Date     | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature    | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes  |
|----------|----------------|--|-----------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|--|
| 2/3/2015 | 1200-1400      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-burn clean-up and MPPEH inspection <sup>2</sup> |
| 2/6/2015 | 1400-1530      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Vegetation removal                                   |
| 2/7/2015 | 0700-1030      | Projectile                                   | 75mm WP         | 0.037                        | 1                                  | 0.037                    | detonation       | perforator                   |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Projectile                                   | 57mm            | 0.5                          | 1                                  | 0.5                      | detonation       | perforator                   |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Projectile                                   | 57mm (fuzed)    | 0.5                          | 1                                  | 0.5                      | detonation       | perforator                   |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Projectile                                   | 37mm (fuzed)    | 0.4                          | 1                                  | 0.4                      | detonation       | perforator                   |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Scatterable Munition                         | M83             | 0.47                         | 1                                  | 0.47                     | detonation       | booster                      |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Scatterable Munition                         | BLU-4           | 0.18                         | 1                                  | 0.18                     | detonation       | booster                      |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | Unknown Booster                              | Unknown Booster | 0.02                         | 1                                  | 0.02                     | detonation       | booster                      |                              | No   | Yes   |  |
| 2/7/2015 | 0700-1030      | MPPEH  | MPPEH           | 0.1                          | 1                                  | 0.1                      | detonation       | booster                      |                              | No   | Yes   |  |
|          |                |  |                 | <b>TOTAL</b>                 | <b>8</b>                           |                          |                  |                              |                              |  |   |  |
| 2/7/2015 | 1030-1245      |  |                 |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH Inspection        |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.

<sup>2</sup> Burn was completed in December 2014 prior to holiday shut down period; however, fresh snow cover impeded completing a full clean-up of the area surrounding the burn pan. The burn pan was cleaned and inspected 24 hours after completion of the burn, but remaining cleanup was completed in February.



Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG  
 WEEK OF FEBRUARY 9 - 15, 2015  
 FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 2/14/2015 | 0700-1100      | Projectile                                   | 57mm         | 0.1                          | 6                                  | 0.6                      | detonation       | perforator                   |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Projectile                                   | 40mm         | 0.187                        | 22                                 | 4.1                      | detonation       | booster                      |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Projectile                                   | 20mm         | 0.1                          | 1                                  | 0.1                      | detonation       | booster                      |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Projectile                                   | 75mm         | 1.34                         | 1                                  | 1.34                     | detonation       | perforator                   |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Bomb   | 20lb Frag    | 2.8                          | 4                                  | 11.2                     | detonation       | perforator                   |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Booster                                      | Booster      | 0.1                          | 37                                 | 3.7                      | detonation       | booster                      |                              | No   | No  |   |
| 2/14/2015 | 0700-1100      | Rocket                                       | 3.5" Warhead | 0.94                         | 2                                  | 1.88                     | detonation       | perforator                   |                              | No   | No  |   |
|           |                |  |              | <b>Total</b>                 | <b>73</b>                          |                          |                  |                              |                              |  |   |   |
| 2/14/2015 | 1100-1245      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH Inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG  
 WEEK OF FEBRUARY 16 - 22, 2015  
 FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature                 | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|------------------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 2/21/2015 | 0700-1000      | Projectile                                   | 37mm                         | 0.1                          | 3                                  | 0.3                      | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | Projectile                                   | 20mm                         | 0.03                         | 1                                  | 0.03                     | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | Projectile                                   | 40mm                         | 0.19                         | 10                                 | 1.9                      | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | Projectile                                   | 57mm                         | 0.1                          | 10                                 | 1                        | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | Projectile                                   | 57mm (fuzed)                 | 0.1                          | 3                                  | 0.3                      | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | Projectile                                   | 81mm                         | 1.3                          | 1                                  | 1.3                      | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | scatterable munition                         | M83 butterfly bomb           | 0.47                         | 3                                  | 1.41                     | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | bomb   | 20 lb frag bomb              | 2.8                          | 9                                  | 25.2                     | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | fuze adapter                                 | 20 lb frag bomb fuze adapter | 0.1                          | 2                                  | 0.2                      | detonation       | booster                      |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | fuze   | Base Detonating              | 0.05                         | 1                                  | 0.05                     | detonation       | perforator                   |                              | No   |   |   |
| 2/21/2015 | 0700-1000      | rocket                                       | 3.5" Rocket Warhead          | 1.88                         | 1                                  | 1.88                     | detonation       | perforator                   |                              | No   |   |   |
|           |                |  |                              | <b>TOTAL</b>                 | <b>44</b>                          |                          |                  |                              |                              |  |   |   |
| 2/21/2015 | 1000-1430      |  |                              |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH Inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF MARCH 9 - 15, 2015**  
**FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 3/11/2015 | 0900-1130      | Projectile                                   | 40mm         | 0.19                         | 13                                 | 2.47                     | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | Projectile                                   | 20mm         | 0.03                         | 3                                  | 0.09                     | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | Projectile                                   | 37mm         | 0.1                          | 6                                  | 0.6                      | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | Projectile                                   | 57mm         | 0.1                          | 25                                 | 2.5                      | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | Scatterable                                  | BLU-3        | 0.35                         | 1                                  | 0.35                     | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | Scatterable                                  | BLU-4        | 0.17                         | 1                                  | 0.17                     | detonation       | perforator                   |                              | No   | No  |   |
| 3/11/2015 | 0900-1130      | MPPEH  | MPPEH        | 0.01                         | 1                                  | 0.01                     | detonation       | perforator                   |                              | No   | No  |   |
|           |                |  |              | <b>TOTAL</b>                 | <b>50</b>                          |                          |                  |                              |                              |  |   |   |
| 3/11/2015 | 0900-1130      | Perforator, jet                              |              | 0.062                        | 50                                 | 3.1                      |                  |                              |                              |  |   |   |
| 3/11/2015 | 0900-1130      | Detonating Cord                              |              | 0.0114                       | 250'                               | 2.85                     |                  |                              |                              |  |   |   |
| 3/11/2015 | 0900-1130      | NONEL Caps                                   |              | 0.01                         | 2                                  | 0.02                     |                  |                              |                              |  |   |   |
| 3/13/2015 | 0900-1200      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH Inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF MARCH 16 - 22, 2015**  
**FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                                   |
|-----------|----------------|--|--------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 3/20/2015 | 1000-1300      | BD Fuze                                      | M66          | 0.01                         | 1,119                              | 11.19                    | burn             | diesel                       | 10                           | No   | No  |   |
| 3/21/2015 | 1300-1500      |  |              |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-burn clean-up and MPPEH inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.





Project Name: HWMU Work Plan and Removal  
 Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG  
 WEEK OF MARCH 23 - 29, 2015  
 FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature      | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes   |
|-----------|----------------|--|-------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 3/24/2015 | 0800-1115      | projectile                                   | 20mm projectiles  | 0.03                         | 216                                | 6.48                     | burn             | diesel                       | 10                           | No   | No  |   |
| 3/24/2015 | 0800-1115      | booster                                      | Assorted Boosters | 0.05                         | 457                                | 22.85                    | burn             | diesel                       | 10                           | No   | No  |   |
| 3/24/2015 | 0800-1115      | MPPEH  | MPPEH             | 0.1                          | 417                                | 41.7                     | burn             | diesel                       | 10                           | No   | No  |   |
| 3/26/2015 | 0845-1000      | projectile                                   | 57mm projectile   | 0.1                          | 50                                 | 5                        | detonation       | perforators                  |                              | No   |   |   |
| 3/26/2015 | 0845-1000      | Perforator, Jet                              |                   | 0.062                        | 50                                 | 3.1                      |                  |                              |                              |  |   |   |
| 3/26/2015 | 0845-1000      | Detonating Cord                              |                   | 0.0114                       | 50'                                | 0.57                     |                  |                              |                              |  |   |   |
| 3/26/2015 | 0845-1000      | NONEL Caps                                   |                   | 0.01                         | 2                                  | 0.02                     |                  |                              |                              |  |   |   |
| 3/26/2015 | 1000-1200      |  |                   |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-detonation clean-up and MPPEH Inspection |
| 3/27/2015 | 0900-1200      | Projectile                                   | 40mm projectiles  | 0.25                         | 800                                | 200                      | burn             | diesel                       | 10                           | No   | No  |   |
| 3/28/2015 | 1200-1400      |  |                   |                              |                                    |                          |                  |                              |                              |  | Yes   | Post-burn clean-up and MPPEH inspection       |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.



Project Name: HWMU Work Plan and Removal  
Project Location: McKinley County, New Mexico

**CAMU TREATMENT OPERATIONS LOG**  
**WEEK OF MARCH 30 - APRIL 5, 2015**  
**FORT WINGATE DEPOT ACTIVITY**

| Date      | Start/End Time | Munition Type (e.g., fuze, projectile, etc.) | Nomenclature     | Estimated NEW per Item (lbs) | Quantity or Weight (number or lbs) | Total NEW of Items (lbs) | Treatment Method | Ignition <sup>1</sup> Source | Ignition Source Volume (gal) | Was solid waste treated with munitions? If yes, volume and reason for not separating from WMM. | Maintenance & Repair Activities at CAMU (Yes or No. If yes, see separate sheet) | Notes                                   |
|-----------|----------------|--|------------------|------------------------------|------------------------------------|--------------------------|------------------|------------------------------|------------------------------|--|---|---|
| 3/31/2015 | 1000-1245      | Projectile                                   | 40mm projectiles | 0.25                         | 800                                | 200                      | burn             | diesel                       | 10                           | No   | No  |   |
| 4/2/2015  | 1230-1400      | N/A  | N/A              | N/A                          | N/A                                | N/A                      | N/A              | N/A                          | N/A                          | N/A  | Yes   | Post-burn clean-up and MPPEH inspection |

<sup>1</sup> Commercial donor explosives will typically consist of boosters and jet perforators. The NEW of boosters is a one pound composition of PETN.