37/3/12

Facilities and Services Operation and Maintenance Division Abbott Power Plant Photographs, 1934-1975

Box 1: Sub-series 1: Laying of steam tunnels on campus, 8/10 negatives and prints

| File# | Photo | Neg | Description | Date |
|-------|-------|-----|---|----------|
| 1 | Y | N | Tunnel to Busey & Evans Halls | 11-2- |
| | | | | 1934 |
| 2 | Y | N | Tunnel to Busey & Evans Halls | 11-2-34 |
| 3 | Y | N | Tunnel to Busey & Evans Halls | 11-5-34 |
| 4 | Y | N | Tunnel to Busey & Evans Halls | 11-5-34 |
| 5 | Y | N | Tunnel to Busey & Evans Halls | 11-23-34 |
| 6 | Y | N | Tunnel to Busey & Evans Halls | 11-23-34 |
| 7 | Y | N | Tunnel to Busey & Evans Halls | 1-24-35 |
| 8 | Y | N | Tunnel to Busey & Evans Halls | 1-24-35 |
| 9 | Y | N | Tunnel to Busey & Evans Halls | 1-24-35 |
| 10 | Y | N | Tunnel to Busey & Evans Halls | 1-24-35 |
| 11 | Y | N | Tunnel to Busey & Evans Halls | 1-24-35 |
| 12 | Y | N | Six (6) photos of laying of steam tunnels on | circa |
| | | | campus | 1934-35 |
| 13 | Y | N | Three (3) photos of failed cables and pipes [tagged with location of failure] | 10-1937 |

Sub-Series 2: Construction of Abbott Power Plant, 8 x 10 negatives and prints

| File# | Photo | Neg | Description | Date |
|-------|-------|-----|----------------------------|---------|
| 14 | Y | Y | Exterior - Metal Framework | 5-14-40 |
| 15 | N | Y | Exterior | 5-14-40 |
| 16 | Y | Y | Exterior – Metal Framework | 5-21-40 |
| 17 | N | Y | Exterior | 5-21-40 |
| 18 | Y | Y | Exterior | 5-28-40 |
| 19 | Y | Y | Exterior | 5-28-40 |
| 20 | Y | Y | Exterior | 6-5-40 |
| 21 | Y | Y | Exterior | 6-5-40 |
| 22 | Y | Y | Exterior | 6-11-40 |
| 23 | Y | Y | Exterior | 6-11-40 |
| 24 | Y | Y | Exterior | 6-19-40 |
| 25 | Y | Y | Exterior | 6-19-40 |
| 26 | Y | Y | Exterior | 6-26-40 |
| 27 | N | Y | Exterior | 6-26-40 |
| 28 | Y | N | Exterior | 7-2-40 |

| 29 Y N Exterior 7-2-40 30 N Y Exterior 7-2-40 31 Y Y Exterior – east elevation 7-10-40 32 Y Y Exterior – south elevation 7-18-40 33 Y Y Exterior – east elevation 7-18-40 34 N Y Exterior – east elevation 7-24-40 35 Y Y Exterior – east elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-3-40 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal storage sealing ? <t< th=""><th>File#</th><th>Photo</th><th>Neg</th><th>Description</th><th>Date</th></t<> | File# | Photo | Neg | Description | Date |
|---|-------|-------|-----|---|----------|
| 31 Y Y Exterior – east elevation 7-10-40 32 Y Y Exterior – south elevation 7-10-40 33 Y Y Exterior – south elevation 7-18-40 34 N Y Exterior – east elevation 7-24-40 35 Y Y Exterior – south elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-3-40 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Interior 8-24-40 | 29 | Y | N | Exterior | 7-2-40 |
| 32 Y Y Exterior – south elevation 7-10-40 33 Y Y Exterior – south elevation 7-18-40 34 N Y Exterior – east elevation 7-18-40 35 Y Y Exterior – south elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 40 Y Y Interior 8-17-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y <td>30</td> <td>N</td> <td>Y</td> <td>Exterior</td> <td>7-2-40</td> | 30 | N | Y | Exterior | 7-2-40 |
| 33 Y Y Exterior – south elevation 7-18-40 34 N Y Exterior – east elevation 7-18-40 35 Y Y Exterior – south elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 40 Y Y Interior 8-17-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 | 31 | Y | Y | Exterior – east elevation | 7-10-40 |
| 34 N Y Exterior – east elevation 7-18-40 35 Y Y Exterior – south elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-31-40 49 Y Y Interior 9-7-40 50 Y | 32 | Y | Y | Exterior – south elevation | 7-10-40 |
| 35 Y Y Exterior – south elevation 7-24-40 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 40 Y Y Interior 8-17-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y | 33 | Y | Y | Exterior – south elevation | 7-18-40 |
| 36 Y Y Exterior – east elevation 7-24-40 37 Y Y Interior 8-3-40 38 Y Y Interior 8-3-40 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 42 Y Y Coal Storage sealing ? 43 Y Y Coal storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior | 34 | N | Y | Exterior – east elevation | 7-18-40 |
| 37 Y Y Interior 8-3-40 38 Y Y Interior 8-3-40 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 9-7-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 | 35 | Y | Y | Exterior – south elevation | 7-24-40 |
| 38 Y Y Interior 8-3-40 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul | 36 | Y | Y | Exterior – east elevation | 7-24-40 |
| 39 Y Y Interior 8-10-40 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N < | 37 | Y | Y | Interior | 8-3-40 |
| 40 Y Y Interior 8-10-40 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 38 | Y | Y | Interior | 8-3-40 |
| 41 Y Y Exterior 8-17-40 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 9-7-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary 8-1942 diaphragms H 4-3-41 4-3-41 4-3-41 | 39 | Y | Y | Interior | 8-10-40 |
| 42 Y Y Exterior 8-17-40 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 40 | Y | Y | Interior | 8-10-40 |
| 43 Y Y Coal Storage sealing ? 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary 8-1942 diaphragms diaphragms 8-1942 | 41 | Y | Y | Exterior | 8-17-40 |
| 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 42 | Y | Y | Exterior | 8-17-40 |
| 44 Y Y Coal storage sealing ? 45 N Y Coal storage sealing ? 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 43 | Y | Y | Coal Storage sealing | ? |
| 46 Y Y Interior 8-24-40 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 44 | Y | Y | | ? |
| 47 N Y Interior 8-24-40 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 45 | N | Y | Coal storage sealing | ? |
| 48 Y Y Interior 8-31-40 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 46 | Y | Y | <u> </u> | 8-24-40 |
| 49 Y Y Interior 8-31-40 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 47 | N | Y | Interior | 8-24-40 |
| 50 Y Y Interior 9-7-40 51 Y Y Interior 9-7-40 52 N Y Exterior 4-3-41 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms 8-1942 | 48 | Y | Y | Interior | 8-31-40 |
| 51YYInterior9-7-4052NYExterior4-3-4153YNTurbo-generator No. 2 (overhaul) – Spindle8-194254YNTurbo-generator No. 2 (overhaul) – Stationary diaphragms8-1942 | 49 | Y | Y | Interior | 8-31-40 |
| 52NYExterior4-3-4153YNTurbo-generator No. 2 (overhaul) – Spindle8-194254YNTurbo-generator No. 2 (overhaul) – Stationary diaphragms8-1942 | 50 | Y | Y | Interior | 9-7-40 |
| 53 Y N Turbo-generator No. 2 (overhaul) – Spindle 8-1942 54 Y N Turbo-generator No. 2 (overhaul) – Stationary diaphragms | 51 | Y | Y | Interior | 9-7-40 |
| Y N Turbo-generator No. 2 (overhaul) – Stationary 8-1942 diaphragms | 52 | N | Y | Exterior | 4-3-41 |
| 54 Y N Turbo-generator No. 2 (overhaul) – Stationary 8-1942 diaphragms | 53 | Y | N | Turbo-generator No. 2 (overhaul) – Spindle | 8-1942 |
| diaphragms | 54 | Y | N | | 8-1942 |
| 1 0 | | | | | |
| 55 Y N Turbo-generator No. 2 (overhaul) – Admission 8-1942 | 55 | Y | N | Turbo-generator No. 2 (overhaul) – Admission | 8-1942 |
| valves | | | | valves | |
| 56 Y N Turbo-generator No. 2 (overhaul) – Upper casing 8-1942 | 56 | Y | N | Turbo-generator No. 2 (overhaul) – Upper casing | 8-1942 |
| 57 Y New tunnel looking west from Loop Vault No. 1 9-28-42 | 57 | Y | Y | New tunnel looking west from Loop Vault No. 1 | 9-28-42 |
| 58 Y Y Top – Loop Vault No. 1 9-28-42 | 58 | Y | Y | | |
| 59 Y Y Loop Vault No. 1 9-28-42 | 59 | Y | Y | <u> </u> | 9-28-42 |
| 60 Y Pump vault south of Abbott Power Plant 9-28-42 | 60 | Y | Y | • | 9-28-42 |
| 61 Y Y Chimney – application of Dum-Dum to power 7-13-43 | 61 | Y | Y | ± | 7-13-43 |
| plant stack by Heine Chimney Co. | | | | • • • • | |
| 62 Y Y Chimney showing crack after application of 1-19-44 | 62 | Y | Y | | 1-19-44 |
| Dum-Dum and painting | | | | • • | |
| N Y Interior of Power Plant - completed 8-26-44 | 63 | N | Y | | 8-26-44 |
| 64 Y Turbo-generator No. 1 (overhaul) 12-19-44 | | | | <u>-</u> | |
| 65 Y Y Turbo-generator No. 1 (overhaul) 12-19-44 | 65 | Y | Y | | 12-19-44 |
| 66 Y Turbo-generator No. 1 (overhaul) 12-19-44 | | Y | Y | | |
| 67 Y Turbo-generator No. 2 (overhaul) 8-6-45 | | | | | |

| File# | Photo | Neg | Description | Date |
|-------|-------|-----|--|------------|
| 68 | Y | Y | Turbo-generator No. 2 (overhaul) | 8-6-45 |
| 69 | N | Y | Exterior | 5-19-47 |
| 70 | N | Y | Exterior | 5-19-47 |
| 71 | Y | Y | Exterior of Plant with Cooling Towers 1 & 4 0 exterior from NE | |
| 72 | Y | Y | 4 turbines1953 Facing SW | 1953 |
| 73 | N | Y | Interior – 4 turbines | 1953 |
| 74 | Y^* | Y | Interior – 4 turbines | 1953 |
| 75 | N | Y | Exterior – 2 stacks | no date |
| 76 | N | Y | Turbines 1 & 2 when new | circa |
| | | | | 1940 |
| 77 | N | Y | Unidentified photo | no date |
| 78 | Y | N | Turbines 1 & 2 Boilers 1, 2 & 3 Original "on line" | circa |
| | | | equipment at Abbott Power Plant | 1940 |
| 79 | Y | Y | Boilers 1, 2 & 3 | circa |
| | | | | 1940 |
| 80 | Y | N | Cooling Tower Substructure North side of cooling | circa late |
| | | | towers 1 & 2 and construction of Cooling towers 3 | 40s/early |
| | | | & 4 facing south | 50s |
| 81 | Y | N | Cooling Tower substructure Construction of north | circa |
| | | | cooling Towers 3 & 4 from SE corner facing NW | 1954 |
| | | | Harlan E. Moore Building in background | |
| | Y** | N | Turbine from power plant Prior to Abbott** | ca 1920s/ |
| | | | | 30s? |

^{*} hand-colored prints

<u>Box 2</u>:

Sub-series 3: Photos of specific equipment and specialized subjects 3½ x 4½ Negatives. (Film, flash and exposure information for these photographs is provided at the end of the finding aid.)

| File# | Neg | Photo | Neg | Description | Date |
|-------|-----|-------|-----|----------------------------|---------|
| 1 | # | | | | |
| 2 | 1 | Y | Y | Data report B No. 1 S unit | 2-13- |
| | | | | | 1953 |
| 3 | 2 | Y | Y | Data report B No. 2 S unit | 2-13-53 |
| 4 | N/A | N | Y | Compressor #4 | 5-14-53 |

^{**} for history on the power plants in operation at The University of Illinois, please see *A History* of The College of Engineering of the University of Illinois 1868-1945 Part II by Ira O. Baker and Everett E. King.

| File# | Neg # | Photo | Neg | Description | Date |
|-------|--------------------------------------|-------|--------------|--|------------------|
| 5 | N/A | N | Y | Compressor #4, showing air discharge piping for bids on pulsation damper | 5-15-53 |
| 6 | N/A | Y | Y | Compressor #3 to show air discharge piping for bids on pulsation damper | 5-15-53 |
| 7 | N/A | Y | N | Manhole that collapsed south of Nevada Street property and west of Beta House (Lincoln Avenue) | 5-26-53 9am |
| 8 | N/A | Y | N | Same as 7 | Same as 7 |
| 9 | N/A | Y | N | Same as 7 | Same as 7 |
| 10 | N/A | N | Y | Black line print [data report] in Wilson & Anderson report on distilled water B U of I campus | 6-4-53 |
| 11 | N/A | N | Y | Black line print [data report] in Wilson & Anderson report on distilled water B U of I campus | 6-4-53 |
| 12 | N/A | N | Y* | Yearly report of electrical energy to Campus 1952-1953 | 7-23-53 |
| File# | Nega tive # in sequ ence | Photo | Nega tive | Description | Date of Photo |
| 13 | N/A | N | Y | Yearly Report of Steam to Heat B 1952-53 | 7-23-53 |
| 14 | N/A | N | Y^* | Yearly Summary of Electrical Energy by Feeder | 7-24-53 |
| 15 | N/A | N | Y* | Same as 14 | Same as 14 |
| 16 | N/A | N | Y* | Same as 14 | Same as 14 |
| 17 | N/A | N | Y | Top of car of coal from V-Day showing amount which leaked out | 10-15-53 |
| 18 | N/A | N | Y | Yearly Power & Light Demands B KWH by Feeder B 1952-53 | 10-15-53 |
| 19 | N/A | N | Y | Same as 18 | Same as 18 |
| 20 | N/A | N | Y | Same as 18 | Same as 18 |
| 21 | N/A | N | Y | Exhaust Hood Turbine #3 (interior, bottom half, north side), showing streak of corrosion B erosion from condensate from last stage | 12-29-53 |
| 22 | N/A | N | Y | Bent blades on Rotor #3 Turbine from s.side | 12-29-53 |

| File# | Neg # | Photo | Neg | Description | Date |
|-------|----------|-------|-----|--|---------------------|
| | | | | looking toward generator | |
| 23 | N/A | N | Y | 440 Main Distributor Board B Abbott Plant for | 4-8-54 |
| | | | | Monroe B S & L | |
| 24 | N/A | Y | Y | Looking northwest from corner [of] Oak & | May |
| | | | | Armory | 1954 |
| 25 | N/A | Y | Y | Return of contractor's privy after U of I Police found it | 5-16-54 |
| 26 | N/A | Y | N | A.P.P. B Unit 5 # 53 | 6-8-54 |
| 27 | N/A | Y | Y | Looking NW at Diesel House | 6-1954 |
| 28 | N/A | Y | Y | Record Summary B Electric Power & Light Demands by Feeder B 1953-54 | 8-4-54 |
| 29 | N/A | Y | Y | Same as 28 | Same as 28 |
| 30 | N/A | Y | Y | Same as 28 | Same as 28 |
| 31 | N/A | Y | Y | Same as 28 | Same as 28 |
| 32 | N/A | Y | Y | Northbound Freight Train just north of A.P.P. | 10-22-54 9:30 am |
| 33 | N/A | Y | Y | Northbound Freight Train just north of A.P.P. | 10-22-54 9:30 am |
| 34 | N/A | Y | Y | Northbound Freight Train just north of A.P.P. | 10-22-54 9:30 am |
| 35 | N/A | Y | N | Installation of Turbine # 5 B A.P.P. | 1-11-55 |
| 36 | | Y | Y | Plat form for indicator for shaft | 5-2-55 |
| 37 | 1 | Y | Y | Same as 1a B different view | 5-2-55 |
| 38 | 3 | Y | Y | Rubber exp/ joint off #3 condenser elev. pump | 5-2-55 |
| 39 | 5 | Y | Y | Close up of fine coal - Murdock | 5-2-55 |
| 40 | 6 | Y | Y | Tunnel picture for GVC | 5-2-55 |
| 41 | 8 | Y | Y | Tunnel picture for GVC | 5-2-55 |
| 42 | 11 | Y | Y | New louvers in #3 and #4 cooling towers | 5-2-55 |
| 43 | 12 | Y | Y | Cooling Towers and bridge | 5-2-55 |
| 44 | | Y | Y | #4 condenser tube ends B north end, lower west | |
| | | | | quadrant to show corrosion on tube ends. | |
| 45 | | Y | Y | Same as 44 | |
| 46 | | Y | Y | #4 Condenser Tube ends B north end B upper west quadrant to show corrosion on tube ends | 8-17-55 |
| 47 | | Y | N | #4 Condenser Tube ends B south end B upper west quadrant to show electrolysis on tube sheet | 8-17-55 |
| 48 | | Y | Y | #4 Condenser Tube ends B north end B upper west quadrant to show corrosion on rolled ends of | 8-17-55 |

| File# | Neg # | Photo | Neg | Description | Date |
|-------|----------|-------|-----|--|-----------------|
| | | | | tubes | |
| 49 | | Y | Y | #4 Turbogen overhaul - 13 th stage bottom | 12-1-55 |
| 50 | N/A | Y | Y | #4 Turbogen overhaul B 3 rd stage packing (label wrong) B bottom shows rubbing | 12-1-55 |
| 51 | N/A | Y | Y | #4 Turbogen overhaul B 11 th stage B top packing shows wear from rubbing | 12-1-55 |
| 52 | N/A | Y | Y | #4 Turbogen overhaul B top half #1 bearing #4 Turbine B shows bearing wiping on generator side; also deposit of metal beyond metal dam | 12-1-55 |
| 53 | N/A | Y | Y | #4 Turbogen overhaul B O.B. bearing on gor. drive. Shows wiping of bearings enough to plug oil grooves | 12-1-55 |
| 54 | N/A | Y | Y | #4 Turbogen overhaul B bottom half #1 bearing #4 Turbine | 12-1-55 |
| 55 | N/A | Y | Y | #4 Turbogen overhaul B O.B. worn bearing on gov. drive. Shows wiping of bearing enough to plug oil grooves | 12-1-55 |
| 56 | N/A | Y | Y | #4 Turbogen overhaul B upper half of casing on right hand side. Arrow shows where 1 st row band rubbed on nozzle block. Also spill strips on intermediate nozzle show rubbing | 12-1-55 |
| 57 | N/A | Y | Y | #4 Turbogen overhaul B bottom half #1 bearing #4 Turbine. Shows wiping and shows Babbitt piled up at end of land | 12-1-55 |
| 58 | N/A | Y | Y | #4 Turbogen overhaul B top half #1 bearing #4 Turbine. Shows bearing wiping on generator side (this is also turbine side on #1 Bld) | 12-1-55 |
| 59 | N/A | Y | Y | #4 Turbogen overhaul B lower half casing left hand side (looking in direction of steam flow). Rubbing on 1 st and second stage and nozzle blocks Picture shows rust which was not of any consequence. | 12-1-55 |
| 60 | 13 | Y | Y | H.P. shaft packing bottom B shows rubbing #4 Turbogen overhaul | 12-1-55 |
| 61 | N/A | N | Y | View of A.P.P. east of #1 Cooling Tower | 12-6-55 |
| 62 | N/A | N | Y | Same as 61 | Same as 52 |
| 63 | N/A | N | Y | Work Schedule B last of 1955/First of 1956 | Circa 12- 55 |
| 64 | N/A | N | Y | Same as 63 | Same as 54 |
| 65 | N/A | Y | Y | Bolt extensiometer used on Overhaul of #5 | Circa |

| File# | Neg # | Photo | Neg | Description | Date |
|-------|----------|-------|-----|---|--|
| | IT | | | Turbine B 1956 B Rented from G.E. Co. B Sam Boutin, Stevens & Rymer & Gwinn | 1956 |
| 66 | N/A | Y | Y | Same as 65 | Same as 56 |
| 67 | N/A | N | Y | Work Schedule B May, June, July & August 1956 | Circa 5- 1956 |
| 68 | 7 | Y | Y | Show[s] debris left in steam tunnel as a result of construction of sanitary manhole about 4/22/57 at 1 st St. & Greg[ory] Drive. Lots of rain caused sewage to leak into tunnel. (x-ref 70-74) After tunnel dried out and sludge dried up & stench blew away B sweage flowed clear to Abbott Power Plant end of tunnel | 4-22-57 (manhole construction) Pictures taken 5-3-57 |
| 69 | 8 | Y | Y | Same as 68 | Same as |
| 0) | O | • | • | Same as oo | 68 |
| 70 | 9 | Y | Y | Same as 68 | Same as 68 |
| 71 | 10 | Y | Y | Same as 68 | Same as 68 |
| 72 | 11 | Y | Y | Same as 68 | Same as 68 |
| 73 | 12 | Y | Y | Same as 68 | Same as |
| 74 | N/A | Y | Y | Top half hor. Joint Turbine #2 (x-ref 76) B showing steram leak before cleaning joint | 68 7-16-57 |
| 75 | | Y | N | Same as 74 | 7-16-57 |
| 76 | N/A | Y | Y | Same as 74 - Closer view | 7-16-57 |
| 77 | | Y | Y | Boiler drum | Late 50s/early 60s |
| 78 | | Y | Y | Plant addition B front of power plant | 1950s |
| 79 | | Y | Ÿ | Plant addition B front of power plant | 1950s |
| 80 | | Y | Y | Plant addition B front of power plant | 1950s |
| 81 | | Y | Y | Plant addition B front of power plant | 1950s |
| 82 | | Y | Y | Boiler drum B aerial view | Early 1960s |
| 83 | | Y | Y | Plant addition B front of power plant | 1950s |
| 84 | | Y | Y | Plant addition B front of power plant Plant addition B front of power plant | 1950s |
| 85 | | Y | N | Plant addition B front of power plant | 1950s |
| 86 | | N | Y | Unidentified negative | 27235 |
| 87 | | Y | Y | Plant addition B front of power plant | 1950s |
| 88 | | Y | Y | Plant addition B front of power plant | 1950s |

| File# | Neg # | Photo | Neg | Description | Date |
|-------|----------|-------|-----|--|--------------------------|
| 89 | H . | Y | N | Putting up coal | mid 1950s |
| 90 | | Y | Y | Site prep for new construction | mid- 1950s |
| 91 | | Y | Y | Unidentified equipment piece | ? |
| 92 | | Y | Y | No. 2 Turbine showing worn buckets | ? |
| 93 | | Y | Y | No. 2 Turbine showing worn buckets | ? |
| 94 | | Y | Y | Turbine overhaul (inside) | ? |
| 95 | | Y | Y | Steam turbine grid valve | ? |
| 96 | | N | Y | Unidentified negative (looks like worn buckets closeup) | ? |
| 97 | | Y | Y | Steam drums on Boiler 6 | ? |
| 98 | | Y | Y | Air heater going in on Boiler 6 | ? |
| 99 | | Y | Y | West elevation rear addition B Boiler 6 going in | Late 60s/early 70s |
| 100 | | Y | N | Boiler 6 Foundation | Late 60s/early 70s |
| 101 | | Y | Y | Boiler 6 Foundation | Late 60s/early 70s |
| 102 | | Y | N | Boiler 6 Foundation | Late 60s/early 70s |
| 103 | | Y | Y | Boiler 6 Foundation | Late 60s/early 70s |
| 104 | | Y | Y | Boiler 6 Foundation | Late 60s/early 70 |
| 105 | | N | Y | Flash picture of front and back of back door of cubicle for #3 Gen[erator] on main switchboard for W.W. Hinshaw for S & L before installation of #5 Gen[erator].[Panel to go in for electrical distribution] | ? |
| 106 | | N | Y | Same as 107 | ? |
| 107 | | N | Y | Installation of car puller [for coal delivered by rail] | ? |
| 108 | | N | Y | Same as 109 | ? |
| 109 | | N | Y | Cooling water pump in basement | ? |
| 110 | | Y | Y | Turbine buckets [individual] forming turbine | ? |

| File# | Neg # | Photo | Neg | Description | Date |
|-------------------|----------|-----------------------|-----|---|--------------|
| | | (3 copie s) | | blades [buckets combined] | |
| 111 | | Y (2 copie s) | Y | Same as 110 | ? |
| 112 | | Y (2 copie s) | Y | Same as 110 | ? |
| 113 | | Y (2 copie s) | Y | Same as 110 | ? |
| 114 | | Ý | N | Old chiller | ? |
| 115 | | Y | Y | Foundation prep B crusher building | mid 1950s |
| 116 117 118 | | N | Y | Marked AFoam Coal Tower 4 & 5 on start up@ [Unidentified negatives] | ? |
| 119- 126 | | Y | Y | Site Prep for addition | 6-8-56 |
| | | (some have 2 prints) | | | |

Sub-series 4: 3 x 4 in photos, 1939-40. (168 Photos in chronological order, sleeved in groups of 10. Identification on back of each photo.)

Sub-series 5: Duplicate and Unidentified photos. In groups of 10 in sleeves.

Appendix: Film, Flash and Exposure Information for 3 ½ by 4 ½ negatives:

| File# | Neg# | Film/Exposure information |
|-------|------|--|
| 1 | | |
| 2 | 1 | N/A |
| 3 | 2 | N/A |
| 4 | N/A | Exposure: f22 B on Kodak Contrast process panchromatic film B time |

| File# | Neg# | Film/Exposure information | | |
|-------|------|---|--|--|
| | 8 | exposures B 2 B for full flash with 2 Sylv[ania] Press 40 | | |
| | | bulbsDevelopment 5 min.@ 70E F in Universal MQ Tray | | |
| 5 | N/A | Exposure: f7 B on Kodak Contrast process panchromatic film 2 time exposures for full flash with 2 Sylv[ania] Press 40 bulbsDevelopment 5 min.@ 70E F in Universal MQ Tray | | |
| 6 | N/A | Exposure: f7 B one time exposure for full flash with 1 Sylv[ania] Press 40 bulb on Kodak Contract Process Panchromatic FilmDevelopment: 5 min. @ 70E F in Universal MQ Tray | | |
| 7 | N/A | Exposure: f4.5 1/10 sec. In dense shade B good sunshine in open B on Kodak Plus-X Film PackDevelopment and Printing by U of I Photo Dept. | | |
| 8 | N/A | Same as 7 | | |
| 9 | N/A | Same as 7 | | |
| 10 | N/A | Exposure: 1/10 sec @f16 bright sun outside B taken in office, with light from south window on Kodak Contrast ProcessPanchromatic process Development: not enough exposure | | |
| 11 | N/A | Exposure: 1/25 sec @ f11. Bright sun outside B taken in office, with light from window. On Kodak Contrast Process PanchromaticDevelopment B not enough exposure | | |
| 12 | N/A | Exposure: 1 second @ f11. Bright sun outside B taken in office with light from window on Kodak Contrast Process Panchomatic Development: by TAB, fresh MQ B 4 minutes (plenty black)*tape on negative | | |
| 13 | N/A | Exposure: 1 second @ f11. Bright sun outside B taken in office with light from window on Kodak Contrast Process PanchomaticDevelopment: by TAB, fresh MQ B 4 minutes (plenty black) | | |
| 14 | N/A | Exposure: 1 second @ f16, 11 AM. Bright sun outside B taken in office with light from window on Kodak Contrast Process PanchomaticDevelopment: by TAB, fresh MQ B 4 minutes | | |
| 15 | N/A | Same as 14 | | |
| 16 | N/A | Same as 14 | | |
| 17 | N/A | Exposure: 1/50 sec @ f11 in bright sunlight on Superpan Press Development: 4 min. in Universal by TAB | | |
| 18 | N/A | Exposure: 1 second @ f16 in office with light from windows @ 1 pm on Kodak Contrast Process Panchromatic Development by TAB with Universal | | |
| 19 | N/A | Same as 18 | | |
| 20 | N/A | Same as 18 | | |
| 21 | N/A | Exposure: f 11 @ 1/50 sec. With sync. Flash about 4 ft. B Press 40 bulb on Contrast Panchromatic Film Development: by TAB - Universal | | |
| 22 | N/A | Exposure: f 16 @ 1/50 sec. With Press 40 bulb (underexposed) on Contrast Process Panchromatic Film Development: by TAB - Universal | | |
| 23 | N/A | Exposure: 4.5 1/5 sec sync flash Press 40 on Plus X Film Pack Development: Hamm | | |

| | " | |
|----------------------|------------|--|
| File # | Neg# | Film/Exposure information |
| 24 | N/A | N/A |
| 25 | N/A | N/A |
| 26 | N/A | N/A |
| 27 | N/A | Exposure: 1/50 sec B f16 per printed guide for filmFilm: Super XX Kodak |
| 20 | NT / A | PakDeveloped and printed by Twin City Blue Print Co.* tape on negative |
| 28 | N/A | Exposure: 2 sec. @ f16 B in office B bright sun outside 2 pm B light from |
| | | window. Film: Super XX Kodak Film Pack Developed, Printed & enlarged |
| | | by Twin City Blue Print Co B Urbana (60 cents ea. 8 x 10; 60 cents for pack of negative; 10 cents each contact prints) |
| 20 | N/A | Same as 28 |
| 29 30 | N/A N/A | Same as 28 |
| 31 | N/A N/A | Same as 28 |
| 32 | N/A N/A | On Super XX Film Pak Development: U of I Photo Lab |
| 33 | N/A N/A | Same as 32 |
| 33 34 | N/A N/A | Same as 32 Same as 32 |
| 3 4 35 | N/A N/A | N/A |
| 35 36 | IN/A | Flash B 40 bulb Sl under 300 for factor F5.6 @ 1/50 sec. |
| 37 | 1 | Same as 36 |
| 38 | 3 | Same as 36 |
| 39 | 5 | Same as 36 |
| 40 | 6 | Same as 36 |
| 41 | 8 | Same as 36 |
| 42 | 11 | Same as 36 |
| 43 | 12 | Same as 36 |
| 44 | 12 | Exposure: 3 or 4 sec. @ f8 B 150 w light bulbDevelopment: U of I Photo |
| | | LabFilm: Kodak Super XX |
| 45 | | Exposure: Flash; Development: U of I Photo LabFilm: Kodak Super XX |
| 46 | | Exposure: 3 or 4 sec@ f8150 watt bulbDevelopment: U of I Photo |
| | | LabFilm: Kodak Super XX(moved camera B no good) |
| 47 | | Exposure: FlashDevelopment: U of I Photo LabFilm: Kodak Super XX |
| 48 | | Exposure: FlashDevelopment: U of I Photo LabFilm: Kodak Super XX |
| 49 | | Super XX Film Pack5 sec exposure 100 watt bulbf4.5Development: |
| | | Techniprint Film Lab |
| 50 | N/A | Super XX Film Pack5 sec exposure 100 watt bulbf4.5Development: |
| | | Techniprint Film Lab |
| 51 | N/A | Super XX Film Pack5 sec exposure 100 watt bulbf4.5Development: |
| | | Techniprint Film Lab |
| 52 | N/A | 150 w bulb4 sec. Time exposuref8Panatomic X FilmDevelopment: Twin |
| | | City Blue Print Co. |
| 53 | N/A | 150 w bulb 4 sec. Exposuref8Panatoni X filmDevelopment: U of I Photo |
| | | Lab |
| 54 | N/A | 150 w bulb 4 sec. Time exposure B f8Panatomic X Film Development B |
| | | Twin City Blue Print Co. |
| | | |

| File# | Neg# | Film/Exposure information | |
|--------|------|---|--|
| 55 | N/A | 150 w bulb 4 sec. Time exposure B f8Panatomic X Film Development B | |
| | | Twin City Blue Print Co. | |
| 56 | N/A | Flash exposure Super XX Film PackDevelopment: Techniprint Film Lab | |
| 57 | N/A | 150 w bulb 4 sec. Time exposure B f8Panatomic X Film Development B | |
| | | Twin City Blue Print Co. | |
| 58 N/A | | 150 w bulb 4 sec. Time exposure B f8Panatomic X Film Development B | |
| | | Twin City Blue Print Co. | |
| 59 | N/A | Flash exposure Super XX Film PackDevelopment: Techniprint Film Lab | |
| 60 | 13 | | |
| 61 | N/A | Panatomic XC Cut Film 1/25 sec. @ f11 B sunlightDevelopment: TAB | |
| 62 | N/A | Same as 61 | |
| 63 | N/A | N/A | |
| 64 | N/A | N/A | |
| 65 | N/A | N/A | |
| 66 | N/A | N/A | |
| 67 | N/A | N/A | |
| 68 | 7 | N/A | |
| 69 | 8 | N/A | |
| 70 | 9 | N/A | |
| 71 | 10 | N/A | |
| 72 | 11 | N/A | |
| 73 | 12 | N/A | |
| 74 | N/A | Verichrome Pan Film flash F 32 @ 8 ft. 1/50 sec. | |
| 75 | | Same as 74 B [Lighter exposure] | |
| 76 | N/A | Same as 74The following photos were not labeled, but were identified by | |
| | | plant personnel with a general description and circa date. | |
| 77 | | N/A | |
| 78 | | N/A | |
| 79 | | N/A | |
| 80 | | N/A | |
| 81 | | N/A | |
| 82 | | N/A | |
| 83 | | N/A | |
| 84 | | N/A | |
| 85 | | N/A | |
| 86 | | N/A | |
| 87 | | N/A | |
| 88 | | N/A | |
| 89 | | N/A | |
| 90 | | N/A | |
| 91 | | N/A | |
| 92 | | N/A | |
| 93 | | N/A | |

| File# | Neg# | Film/Exposure information |
|-------|------|------------------------------|
| 94 | | N/A |
| 95 | | N/A |
| 96 | | N/A |
| 97 | | N/A |
| 98 | | N/A |
| 99 | | N/A |
| 100 | | N/A |
| 101 | | N/A |
| 102 | | N/A |
| 103 | | N/A |
| 104 | | N/A |
| 105 | | Contrast film B no good! |
| 106 | | Same as 105 |
| 107 | | N/A |
| 108 | | N/A |
| 109 | | N/A |
| 110 | | F 4.5 1/50 Flash BulbSuper X |
| 111 | | N/A |
| 112 | | N/A |
| 113 | | N/A |
| 114 | | N/A |
| 115 | | N/A |
| 116- | | N/A |
| 18 | | |
| 119- | | N/A |
| 126 | | |

<u>Box 3</u>:

Abbott Power Plant Coal Conversion Construction Photo Album, Jan. 1986-Jan. 1989 Photos, Retubing Boiler 3, 1981