

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Appendix 3: Detailed LDAR Leak Point Component Risk Register

Berry Hill BC LDAR plan reference [BIOP016](#)

This table is based on release point components as recorded in the following P&IDs:

13018-ZZ-D9540-4004 rev A dated 13/04/23

13018-ZZ-D9540-4005 rev A dated 13/04/23

13018-ZZ-D9540-4007 rev A dated 13/04/23

13018-ZZ-D9819-4000 rev A dated 13/04/23

Berry Hill Plan Location 1 – Digester 1 PVRV #1

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Pressure/Vacuum Relief Valve	16-V-353A	High	
Valve	16-V-352	Medium	
Valve	16-V-358	Medium	
Instrument	64-LE-315	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 1	64-R-001	Low	

Berry Hill Plan Location 2 - Digester 1 PVRV #2

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Pressure/Vacuum Relief Valve	16-V-353B	High	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 1	64-R-001	Low	

Berry Hill Plan Location 3 - Digester 2 PVRV #1

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	-Tag numbers to be added on completion of Motts P&ID update.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Pressure/Vacuum Relief Valve	16-V-363A	High	-
Valve	16-V-368	Medium	-
Instrument	64-LE-325	Medium	Level sensor
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.-
Valve	16-V-362A	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-362B	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 2	64-R-002	Low	

Berry Hill Plan Location 4 - Digester 2 PVRV #2

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Pressure/Vacuum Relief Valve	16-V-363B	High	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 2	64-R-002	Low	

Berry Hill Location 5 - Digester 3 PVRV #1

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Pressure/Vacuum Relief Valve	16-V-372A	High	
Valve	16-V-378	Medium	
Instrument	64-LE-335	Medium	Level sensor
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-372B	Medium	-Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 3	64-R-003	Low	

Berry Hill Plan Location 6 - Digester 3 PVRV #2

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Pressure/Vacuum Relief Valve	16-V-373B	High	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 3	64-R-003	Low	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 7 - Primary Digester 4 PVRV #1

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	16-V-380	Medium	
Valve	16-V-382	Medium	
Pressure/Vacuum Relief Valve	16-V-381	High	
Valve	16-V-385	Medium	
Instrument	64-LE-165	Medium	Level sensor
Valve	16-V-383	Medium	
Valve	16-V-384	Medium	
Valve	64-V-254	Medium	
Valve	64-V-255	Medium	
Valve	64-V-256	Medium	
Valve	64-V-257	Medium	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 4	64-R-004	Low	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 8 - Primary Digester 4 PVRV #2

Item Type	Tag Number	Component risk Hi / Med / Lo	Comment
Valve	16-V-386	Medium	
Valve	16-V-387	Medium	
Pressure/Vacuum Relief Valve	16-V-388	High	
Valve	16-V-384	Medium	
Valve	16-V-393	Medium	
Valve	16-V-390	Medium	
Instrument	16-FE-207	Medium	Flow sensor
Instrument	16-PE-205	Medium	Pressure sensor
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.
Continuous sections of pipework	Not applicable	Low	
Digester 4	64-R-004	Low	

Berry Hill Plan Location 9 - Digester 1 gas mixing pipework and compressor

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-703	Medium	
Valve	16-V-704	Medium	
Valve	16-V-705	Medium	
Condensate trap	16-T-050	Medium	
Filter	16-F-730	Medium	
Valve	16-V-707	Medium	
Valve	16-V-708	Medium	
Instrument	16-PI-310	Medium	
Instrument	16-PS-311	Medium	
Compressor	16-B-075A	Medium	
Pressure relief valve	16-V-710	Medium	
Instrument	16-PS-312	Medium	
Instrument	16-TS-313	Medium	
Valve	16-V-711	Medium	
Non-return valve	16-V-712	Medium	
Valve	16-V-713	Medium	
Valve	16-V-716	Medium	
Instrument	16-PI-314	Medium	
Condensate trap	16-T-051	Medium	
Valve	16-V-717	Medium	
Valve	16-V-718	Medium	
Valve	16-V-719	Medium	
Valve	16-V-714	Medium	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-720	Medium	
Valve	16-V-721	Medium	
Valve	16-V-722	Medium	
Valve	16-V-725A	Medium	
Valve	16-V-725B	Medium	
Valve	16-V-725C	Medium	
Valve	16-V-725D	Medium	
Valve	16-V-725E	Medium	
Valve	16-V-725F	Medium	
Valve	16-V-725G	Medium	
Instrument	16-FI-315A	Medium	
Instrument	16-FI-315B	Medium	
Instrument	16-FI-315C	Medium	
Instrument	16-FI-315D	Medium	
Instrument	16-FI-315E	Medium	
Instrument	16-FI-315F	Medium	
Instrument	16-FI-315G	Medium	
Non-return valve	16-V-726A	Medium	
Non-return valve	16-V-726B	Medium	
Non-return valve	16-V-726C	Medium	
Non-return valve	16-V-726D	Medium	
Non-return valve	16-V-726E	Medium	
Non-return valve	16-V-726F	Medium	
Non-return valve	16-V-726G	Medium	
Valve	16-V-727A	Medium	
Valve	16-V-727B	Medium	
Valve	16-V-727C	Medium	
Valve	16-V-727D	Medium	
Valve	16-V-727E	Medium	
Valve	16-V-727F	Medium	
Valve	16-V-727G	Medium	
Valve	16-V-728A	Medium	
Valve	16-V-728B	Medium	
Valve	16-V-728C	Medium	
Valve	16-V-728D	Medium	
Valve	16-V-728E	Medium	
Valve	16-V-728F	Medium	
Valve	16-V-728G	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium & high	Tags numbers to be added when Bridges survey completed.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 10 - Digester 2 gas mixing pipework and compressor

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-743	Medium	
Valve	16-V-744	Medium	
Valve	16-V-745	Medium	
Condensate trap	16-T-052	Medium	
Filter	16-F-770	Medium	
Valve	16-V-747	Medium	
Valve	16-V-748	Medium	
Instrument	16-PI-320	Medium	
Instrument	16-PS-321	Medium	
Compressor	16-B-075B	Medium	
Pressure relief valve	16-V-750	Medium	
Instrument	16-PS-322	Medium	
Instrument	16-TS-323	Medium	
Valve	16-V-751	Medium	
Non-return valve	16-V-752	Medium	
Valve	16-V-753	Medium	
Valve	16-V-756	Medium	
Instrument	16-PI-324	Medium	
Condensate trap	16-T-053	Medium	
Valve	16-V-758	Medium	
Valve	16-V-759	Medium	
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-754	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-760	Medium	
Valve	16-V-761	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

			completion of Motts P&ID update.
Valve	16-V-765A	Medium	
Valve	16-V-765B	Medium	
Valve	16-V-765C	Medium	
Valve	16-V-765D	Medium	
Valve	16-V-765E	Medium	
Valve	16-V-765F	Medium	
Valve	16-V-765G	Medium	
Instrument	16-FI-325A	Medium	
Instrument	16-FI-325B	Medium	
Instrument	16-FI-325C	Medium	
Instrument	16-FI-325D	Medium	
Instrument	16-FI-325E	Medium	
Instrument	16-FI-325F	Medium	
Instrument	16-FI-325G	Medium	
Non-return valve	16-V-766A	Medium	
Non-return valve	16-V-766B	Medium	
Non-return valve	16-V-766C	Medium	
Non-return valve	16-V-766D	Medium	
Non-return valve	16-V-766E	Medium	
Non-return valve	16-V-766F	Medium	
Non-return valve	16-V-766G	Medium	
Valve	16-V-767A	Medium	
Valve	16-V-767B	Medium	
Valve	16-V-767C	Medium	
Valve	16-V-767D	Medium	
Valve	16-V-767E	Medium	
Valve	16-V-767F	Medium	
Valve	16-V-767G	Medium	
Valve	16-V-768A	Medium	
Valve	16-V-768B	Medium	
Valve	16-V-768C	Medium	
Valve	16-V-768D	Medium	
Valve	16-V-768E	Medium	
Valve	16-V-768F	Medium	
Valve	16-V-768G	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium & high	Tags numbers to be added when Bridges survey completed.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 11 - Digester 3 gas mixing pipework and compressor

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-783	Medium	
Valve	16-V-784	Medium	
Valve	16-V-785	Medium	
Condensate trap	16-T-054	Medium	
Filter	16-F-810	Medium	
Valve	16-V-787	Medium	
Valve	16-V-788	Medium	
Instrument	16-PI-330	Medium	
Instrument	16-PS-331	Medium	
Compressor	16-B-075C	Medium	
Pressure relief valve	16-V-790	Medium	
Instrument	16-PS-332	Medium	
Instrument	16-TS-333	Medium	
Valve	16-V-791	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Non-return valve	16-V-792	Medium	
Valve	16-V-793	Medium	
Valve	16-V-796	Medium	
Instrument	16-PI-334	Medium	
Condensate trap	16-T-055	Medium	
Valve	16-V-798	Medium	
Valve	16-V-799	Medium	
Valve	16-V-797	Medium	
Non-return valve	16-V-800	Medium	
Valve	16-V-801	Medium	
Valve	16-V-802		
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-805A	Medium	
Valve	16-V-805B	Medium	
Valve	16-V-805C	Medium	
Valve	16-V-805D	Medium	
Valve	16-V-805E	Medium	
Valve	16-V-805F	Medium	
Valve	16-V-805G	Medium	
Instrument	16-FI-335A	Medium	
Instrument	16-FI-335B	Medium	
Instrument	16-FI-335C	Medium	
Instrument	16-FI-335D	Medium	
Instrument	16-FI-335E	Medium	
Instrument	16-FI-335F	Medium	
Instrument	16-FI-335G	Medium	
Non-return valve	16-V-806A	Medium	
Non-return valve	16-V-806B	Medium	
Non-return valve	16-V-806C	Medium	
Non-return valve	16-V-806D	Medium	
Non-return valve	16-V-806E	Medium	
Non-return valve	16-V-806F	Medium	
Non-return valve	16-V-806G	Medium	
Valve	16-V-807A	Medium	
Valve	16-V-807B	Medium	
Valve	16-V-807C	Medium	
Valve	16-V-807D	Medium	
Valve	16-V-807E	Medium	
Valve	16-V-807F	Medium	
Valve	16-V-807G	Medium	
Valve	16-V-808A	Medium	
Valve	16-V-808B	Medium	
Valve	16-V-808C	Medium	
Valve	16-V-808D	Medium	
Valve	16-V-808E	Medium	
Valve	16-V-808F	Medium	
Valve	16-V-808G	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium & high	Tags numbers to be added when Bridges survey completed.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 12 - Digester 4 gas mixing pipework and compressor

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-820	Medium	
Valve	16-V-821	Medium	
Valve	16-V-822	Medium	
Valve	16-V-823	Medium	
Valve	16-V-824	Medium	
Valve	16-V-825	Medium	
Condensate trap	16-T-056	Medium	
Filter	16-F-850	Medium	
Valve	16-V-827	Medium	
Valve	16-V-828	Medium	
Instrument	16-PI-340	Medium	
Instrument	16-PS-341	Medium	
Compressor	16-B-075D	Medium	
Pressure relief valve	16-V-830	Medium	
Instrument	16-PS-342	Medium	
Instrument	16-TS-343	Medium	
Valve	16-V-831	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Non-return valve	16-V-832	Medium	
Valve	16-V-833	Medium	
Valve	16-V-836	Medium	
Instrument	16-PI-344	Medium	
Condensate trap	16-T-057	Medium	
Valve	16-V-837	Medium	
Valve	16-V-839	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-834	Medium	
Valve	16-V-840	Medium	
Valve	16-V-841	Medium	
Valve	16-V-842	Medium	
Valve	16-V-843	Medium	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Condensate trap	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-845A	Medium	
Valve	16-V-845B	Medium	
Valve	16-V-845C	Medium	
Valve	16-V-845D	Medium	
Valve	16-V-845E	Medium	
Valve	16-V-845F	Medium	
Valve	16-V-845G	Medium	
Instrument	16-FI-345A	Medium	
Instrument	16-FI-345B	Medium	
Instrument	16-FI-345C	Medium	
Instrument	16-FI-345D	Medium	
Instrument	16-FI-345E	Medium	
Instrument	16-FI-345F	Medium	
Instrument	16-FI-345G	Medium	
Non-return valve	16-V-846A	Medium	
Non-return valve	16-V-846B	Medium	
Non-return valve	16-V-846C	Medium	
Non-return valve	16-V-846D	Medium	
Non-return valve	16-V-846E	Medium	
Non-return valve	16-V-846F	Medium	
Non-return valve	16-V-846G	Medium	
Valve	16-V-847A	Medium	
Valve	16-V-847B	Medium	
Valve	16-V-847C	Medium	
Valve	16-V-847D	Medium	
Valve	16-V-847E	Medium	
Valve	16-V-847F	Medium	
Valve	16-V-847G	Medium	
Valve	16-V-848A	Medium	
Valve	16-V-848B	Medium	
Valve	16-V-848C	Medium	
Valve	16-V-848D	Medium	
Valve	16-V-848E	Medium	
Valve	16-V-848F	Medium	
Valve	16-V-848G	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium & high	Tags numbers to be added when Bridges survey completed.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 13 - Digester 1 gas pipework to gas boosters

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-350	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-470	Medium	
Valve	16-V-354	Medium	
Valve	16-V-471	Medium	
Instrument	16-FE-227	Medium	Flow sensor.
Valve	16-V-472	Medium	
Valve	16-V-473	Medium	
Valve	16-V-356	Medium	
Valve	16-V-357	Medium	
Instrument	16-PE-317	Medium	Pressure sensor.
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 14 - Digester 2 gas pipework to gas boosters

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-360	Medium	
Valve	16-V-475	Medium	
Valve	16-V-476	Medium	
Instrument	16-FE-228	Medium	Flow sensor
Valve	16-V-364	Medium	
Valve	16-V-477	Medium	
Valve	16-V-478	Medium	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	16-V-366	Medium	
Valve	16-V-367	Medium	
Instrument	16-PE-327	Medium	Pressure sensor.
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 15 - Digester 3 gas pipework to gas boosters

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-370	Medium	
Valve	16-V-480	Medium	
Valve	16-V-481	Medium	
Instrument	16-FE-229	Medium	Flow sensor.
Valve	16-V-382	Medium	
Valve	16-V-383	Medium	
Valve	16-V-376	Medium	
Valve	16-V-377	Medium	
Instrument	16-PE-337	Medium	Pressure sensor.
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 16 – Digester 4 gas pipework to Gas Holder

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-391	Medium	
Valve	16-V-394	Medium	
Valve	16-V-395	Medium	
Valve	16-V-392	Medium	
Valve	16-V-396	Medium	
Valve	16-V-420	Medium	
Valve	16-V-410	Medium	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Condensate Trap	16-T-040	Medium	
Instrument	16-LS-216	Medium	
Instrument	16-LS-217	Medium	
Valve	16-V-408	Medium	
Valve	16-V-411	Medium	
Valve	16-V-409	Medium	
Valve	16-V-407	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 17 - Gas main to boosters from pipework from Gas Holder

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-412	Medium	
Condensate Trap	16-T-041	Medium	
Instrument	16-LS-218	Medium	
Instrument	16-LS-219	Medium	
Valve	16-V-413	Medium	
Valve	16-V-414	Medium	
Valve	16-V-416	Medium	
Valve	16-V-415	Medium	
Valve	16-V-421	Medium	
Valve	16-V-422	Medium	
Valve	16-V-423	Medium	
Valve	16-V-485	Medium	
Condensate Trap	16-T-042	Medium	
Instrument	16-LS-221	Medium	
Instrument	16-LS-222	Medium	
Valve	16-V-486	Medium	
Valve	16-V-487	Medium	
Valve	16-V-489	Medium	
Valve	16-V-488	Medium	
Valve	16-V-494	Medium	
Valve	16-V-490	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 18 - Gas Holder

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Gas Holder	16-T-030	Low	Any leak in the inner membrane would be detected in the outlet from valve 16-V-402.
Valve	16-V-402	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Continuous sections of pipework	Not applicable	Low	
Flanges	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 19 - Gas Holder pipework to PRV

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-403	Medium	
Instrument	16-PE-215	Medium	Pressure Sensor
Valve	16-V-400	Medium	
Valve	16-V-405	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 20 - Gas Holder PRV

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Pressure Relief Valve	16-V-404	High	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Berry Hill Plan Location 21 - Pipework Gas Holder to LTP boiler pipe bridge

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update.
Valve	16-V-494	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed.

Berry Hill Plan Location 22 - Pipework from LTP pipe bridge to LTP boiler

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Centrifugal Fan	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Non-Return Valve	TBD	Medium	Tag numbers to be added on

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

			completion of Motts P&ID update
Instrument	16-FI-7000	Medium	Flow indicator
Valve	16-V-6007	Medium	
Continuous sections of pipework	Not applicable	Low	
Flanges	TBD	Medium	Tags numbers to be added when Bridges survey completed

Berry Hill Plan Location 23 - Gas Booster Pumps

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	16-V-495	Medium	
Valve	16-V-496	Medium	
Valve	16-V-497	Medium	
Valve	16-V-425	Medium	
Valve	16-V-426	Medium	
Valve	16-V-427	Medium	
Valve	16-V-433	Medium	
Valve	16-V-432	Medium	
Valve	16-V-431	Medium	
Valve	16-V-465	Medium	
Valve	16-V-466	Medium	
Valve	16-V-467	Medium	
Valve	16-V-468	Medium	
Valve	16-V-469	Medium	
Valve	16-V-491	Medium	
Valve	16-V-492	Medium	
Valve	16-V-493	Medium	
Valve	16-V-428	Medium	
Valve	16-V-429	Medium	
Valve	16-V-430	Medium	
Condensate Trap	16-T-35A	Medium	
Condensate Trap	16-T-35B	Medium	
Condensate Trap	16-T-35C	Medium	
Valve	16-V-435	Medium	
Valve	16-V-436	Medium	
Valve	16-V-437	Medium	
Valve	16-V-438	Medium	
Valve	16-V-439	Medium	
Valve	16-V-440	Medium	
Valve	16-V-441	Medium	
Valve	16-V-442	Medium	
Valve	16-V-443	Medium	
Gas Booster No.1	16-B-035A	Medium	
Gas Booster No.2	16-B-035B	Medium	
Valve	16-V-445	Medium	
Valve	16-V-446	Medium	
Non-Return Valve	16-V-447	Medium	
Non-Return Valve	16-V-448	Medium	

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	16-V-450	Medium	
Instrument	16-PE-220	Medium	Pressure Sensor
Continuous sections of pipework	Not applicable	Low	
Flanges	TBD	Medium	Tags numbers to be added when Bridges survey completed

Berry Hill Plan Location 24 - Gas Line to siloxane plant from Gas Boosters

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	16-V-455	Medium	
Valve	16-V-456	Medium	
Valve	16-V-457	Medium	
Valve	16-V-458	Medium	
Instrument	16-FE-225	Medium	Flow Sensor
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Continuous sections of pipework	Not applicable	Low	
Flanges	TBD	Medium	Tags numbers to be added when Bridges survey completed

Berry Hill Plan Location 25 - Gas Line from Siloxane plant to CHP and Boilers

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Siloxane Vessel	TBD	Low	Tag numbers to be added on completion of Motts P&ID update
Rapid Fire Shut Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Instrument	TBD	Medium	Flow Sensor. Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed

Berry Hill Plan Location 26 - Gas Line to Flare from Gas Boosters

Item Type	Tag Number	Release Potential Hi / Med / Lo	Comment
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	16-V-461	Medium	
Valve	16-V-460	Medium	
Instrument	16-FE-226	Medium	Flow Sensor
Valve	16-V-462	Medium	
Valve	16-V-463	Medium	
Valve	16-V-464	Medium	
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update

ISSUE NO. 1	BIOF016
OCTOBER 2023	OWNER: HEAD OF BIORESOURCES

Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Valve	TBD	Medium	Tag numbers to be added on completion of Motts P&ID update
Ground Flare	TBD	High	Tag numbers to be added on completion of Motts P&ID update
Continuous sections of pipework	Not applicable	Low	
Flanges TBD	TBD	Medium	Tags numbers to be added when Bridges survey completed