

Fee Schedule: Boilers, Pressure Vessels and Refrigeration

| TECHNICAL SAFETY BC | | | | |
|---|------------------------------|------------------------------|--------------|-----|
| FEE SCHEDULE: BOILERS, PRESSURE VESSELS & REFRIGERATION | | | | |
| DESCRIPTION | Effective January 1, 2024 | Effective January 1, 2025 | UNITS | GST |
| CONTRACTOR LICENSING | | | | |
| New Boiler Contractor Licence (Interview not included) | \$ 503 | \$ 523 | per unit | No |
| New Boiler Contractor Licence with Quality Control Program (Review or Audit not included) | \$ 1,132 | \$ 1,177 | per unit | No |
| Boiler Contractor Licence Renewal (if renewed within one year after expiry). If renewed later than 1 year after expiry, then new boiler contractor Licence fee is charged. | \$ 210 | \$ 218 | per unit | No |
| Quality Control Program Review, Audit or Re-audit / Interview to obtain new or maintain active contractors Licence. Interview, Review, and Audit are a part of the contractor licensing process. | Safety Services Rate | Safety Services Rate | per hour | No |
| Recognized Test Administrator - new application (minimum of 5 hour charge) | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Recognized Test Administrator - renewal (1 hour charge) | Safety Services Rate | Safety Services Rate | per hour | Yes |
| QUALIFIED WORKER CERTIFICATION AND EXAMINATION | | | | |
| Exams / Papers | | | | |
| Evaluation of Qualification (Non-refundable). Power Engineers, Pressure Welders, Boiler Operators, Refrigeration Operators, IFO and Safety Awareness | \$ 120 | \$ 125 | one time fee | Yes |
| Evaluation of Qualification (Non-refundable). Power Engineers and Pressure Welders with Canadian education and international work experience (Maximum 5.5 hours) | \$ 290 | \$ 302 | per hour | Yes |
| Evaluation of Qualification (Non-refundable). Power Engineers of international worker | \$ 1,675 | \$ 1,742 | one time fee | Yes |
| First class Power Engineer exam (Paper, In-person) ^{1 & 2} | \$ 199 | \$ 207 | per exam | Yes |
| Certification of Qualification exam (Digital, In-person): Second-, Third-, Fourth- and Fifth-Class Power Engineer exam, Boiler Operators, Refrigeration Operators, Ice Facility Operator, Safety Awareness, Oil Well exam. ^{1 & 2} | \$ 179 | \$ 186 | per exam | Yes |
| Certification of Qualification exam (Digital, Remote): Second-, Third-, Fourth- and Fifth-Class Power Engineer exam, Boiler Operators, Refrigeration Operators, Ice Facility Operator, Safety Awareness, Oil Well exam. ^{1 & 2} | \$ 169 | \$ 176 | per exam | Yes |
| Class A Pressure Welder Practical exam (Practical, In-person) ^{1 & 2} | \$ 331 | \$ 344 | per exam | Yes |
| Power Engineer and Pressure Welder Renewal | \$ 118 | \$ 123 | per unit | Yes |
| Exam Re-marking Fee | \$ 83 | \$ 86 | per exam | Yes |
| <u>Note:</u> 1: This fee applies to new examinations and re-examinations 2: Fee for examination will be assessed based on the examination written date and not the application date | | | | |
| Certification | | | | |
| Interim "A" Certificate of Qualification, initial and renewal. In force for 12 months or less. | \$ 340 | \$ 354 | per site | Yes |
| Interim "B" Certificate of Qualification, initial and renewal. In force for 60 days or less (initial) or 30 days or less (renewal). | \$ 255 | \$ 265 | per site | Yes |
| Granting of Certificate of Qualification | | | | |
| (a) Power Engineers | | | | |
| (i) 1st Class | \$ 511 | \$ 531 | per unit | Yes |
| (ii) 2nd Class | \$ 426 | \$ 443 | per unit | Yes |
| (iii) 3rd Class | \$ 299 | \$ 311 | per unit | Yes |
| (iv) 4th Class | \$ 214 | \$ 223 | per unit | Yes |
| (iv) 5th Class | \$ 214 | \$ 223 | per unit | Yes |
| (b) Boiler, Refrigeration and Oil Well Operator | \$ 187 | \$ 194 | per unit | Yes |

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| DESCRIPTION | Effective January 1, 2024 | Effective January 1, 2025 | UNITS | GST |
| INSTALLATION PERMITS | | | | |
| Boiler Installation or Alteration Permit <u>Notes:</u> 1. Permit fee does not include inspection. Inspection hours will be charged in addition. 2. Water Heaters are considered boiler, for the above requirement. - Unless exempted from BC REG 104/2004 Section 3 | \$ 168 | \$ 175 | per unit | No |
| Refrigeration Installation or Alteration Permit: - More than 125 kW prime mover nameplate capacity rating using Group A1, A2 or B1 refrigerant - More than 25 kW prime mover nameplate capacity rating using Group A3, B2 or B3 refrigerant <u>Note:</u> Permit fee does not include inspection. Inspection hours will be charged in addition. | \$ 168 | \$ 175 | per unit | No |
| Refrigeration Installation or Alteration Permit: (Decal applicable for all refrigeration equipment conforming to CSA B52 section 5.2 within the following parameters) - Using Group A1, A2 or B1 refrigerant and having a capacity >5kW to not more than 125 kW prime mover nameplate rating, or - Using Group A3, B2 or B3 refrigerant and having a capacity >5kW to not more than 25 kW prime mover nameplate rating <u>Note:</u> 1: The refrigeration contractor is to supply a declaration of installation that includes details of: - equipment type - certification standard - date and location of installation 2: A decal is to be applied to the unit 3: An assessment will be carried out to determine if an inspection is required | \$ 36 | \$ 37 | per unit | No |
| Inspection Fees | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Re-inspection Fees: Inspections for non-compliance purposes will be billed on an hourly basis. Please refer to the 'Hourly Rates' section. | Safety Services Rate | Safety Services Rate | per hour | Yes |
| OPERATING PERMITS | | | | |
| High Pressure Boilers, Low Pressure Boilers, Thermal Fluid Boilers | | | | |
| (a) with a heating surface to 25 m2 inclusive | \$ 309 | \$ 321 | per permit | No |
| (b) with a heating surface more than 25 m2 to 50 m2 inclusive | \$ 468 | \$ 487 | per permit | No |
| (c) with a heating surface more than 50 m2 to 100 m2 inclusive | \$ 568 | \$ 591 | per permit | No |
| (d) with a heating surface more than 100 m2 to 500 m2 inclusive | \$ 827 | \$ 860 | per permit | No |
| (e) with a heating surface more than 500 to 1,000 m2 inclusive | \$ 1,604 | \$ 1,668 | per permit | No |
| (f) with a heating surface more than 1,000 to 2,000 m2 inclusive | \$ 1,862 | \$ 1,936 | per permit | No |
| Additional charge per 1,000 m2 of heating surface over 2,000 m2 rounded up to the nearest 1,000 m2 | \$ 621 | \$ 646 | per 1,000 m2 | No |
| Hot Water Boilers | | | | |
| (a) with a heating surface to 25 m2 inclusive (a.1) for Potable Water Heaters (with boiler capacity up to 500,000 BTU/hr inclusive) | \$ 155 | \$ 161 | per permit | No |
| (b) with a heating surface more than 25 m2 to 50 m2 inclusive (b.1) for Potable Water Heaters (with boiler capacity greater than 500,000 BTU/hr) | \$ 185 | \$ 192 | per permit | No |
| (c) with a heating surface more than 50 m2 to 100 m2 inclusive | \$ 205 | \$ 213 | per permit | No |
| (d) with a heating surface more than 100 m2 to 500 m2 inclusive | \$ 309 | \$ 321 | per permit | No |
| (e) with a heating surface more than 500 m2 to 1,000 m2 inclusive | \$ 568 | \$ 591 | per permit | No |
| (f) with a heating surface more than 1,000 m2 to 2,000 m2 inclusive | \$ 724 | \$ 753 | per permit | No |
| Additional charge per 1,000 m2 of heating surface over 2,000 m2 rounded up to the nearest 1,000 m2 | \$ 257 | \$ 267 | per 1,000 m2 | No |

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| DESCRIPTION | Effective January 1, 2024 | Effective January 1, 2025 | UNITS | GST |
| Digesters | | | | |
| Shell volumetric measurement not more than 280 m3 | \$ 621 | \$ 646 | per permit | No |
| Shell volumetric measurement more than 280 m3 | \$ 991 | \$ 1,031 | per permit | No |
| Pressure Vessels | | | | |
| Regular Service | See Table B (Pressure Vessels Fee Table) | See Table B (Pressure Vessels Fee Table) | per permit | No |
| Designated Service | See Table C (Pressure Vessels Fee Table) | See Table C (Pressure Vessels Fee Table) | per permit | No |
| Special Service | See Table D (Pressure Vessels Fee Table) | See Table D (Pressure Vessels Fee Table) | per permit | No |
| LPG Service | See Table E (Pressure Vessels Fee Table) | See Table E (Pressure Vessels Fee Table) | per permit | No |
| Refrigeration Plants | | | | |
| More than 125 kW prime mover nameplate capacity rating using Group A1, A2 or B1 refrigerant | \$ 455 | \$ 473 | per permit | No |
| More than 25 kW prime mover nameplate capacity rating using Group A3, B2 or B3 refrigerant | \$ 455 | \$ 473 | per permit | No |
| PLANT REGISTRATION OPERATING PERMITS | | | | |
| 1st class | \$ 185 | \$ 192 | per permit | No |
| 2nd class | \$ 171 | \$ 178 | per permit | No |
| 3rd class | \$ 149 | \$ 155 | per permit | No |
| 4th class | \$ 124 | \$ 129 | per permit | No |
| 5th class | \$ 111 | \$ 115 | per permit | No |
| SPECIAL PLANT REGISTRATION FEES - RISK ASSESSED & GENERAL SUPERVISION PLANTS | | | | |
| Registration of Special Plant (One time registration includes up to 5 hours documentation review, additional review charged at hourly rate) | \$ 1,159 | \$ 1,205 | per registration | No |
| Initial Safety Audit Inspection by a safety officer | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Biennial Safety Audit (inspected every 2 years) | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Biennial Renewal Certificate of Special Plant Registration (inspected every 2 years) | \$ 81 | \$ 84 | per certificate | Yes |
| Boiler / PV Additional Inspection on Request | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Re-inspection Fees. Assessed when an inspection of a previous non-compliance is performed. (minimum 1 hour) | | | | |
| Boilers | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Hot Water Boilers | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Digesters | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Pressure Vessels | Safety Services Rate | Safety Services Rate | per hour | Yes |
| Refrigeration | Safety Services Rate | Safety Services Rate | per hour | Yes |
| MANUFACTURING SHOP INSPECTION, AUDITS, DESIGN REVISIONS & REGISTERED DESIGN | | | | |
| Manufacturing Shops and Audit Hourly | Safety Services Rate | Safety Services Rate | per hour | Yes |

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| DESIGN REGISTRATION (Fees are subject to change in a separate program improvement and fee consultation in the upcoming years) | | | | |
| ASME Welding Procedure Registration | \$ 234 | \$ 234 | per unit | Yes |
| Reciprocal Design Registration ¹ | \$ 334 | \$ 334 | per unit | Yes |
| Standard Design Registration ^{2 & 5} | \$ 699 | \$ 699 | per unit | Yes |
| Complex Design Registration ³ | \$ 1,281 | \$ 1,281 | per unit | Yes |
| Exceptional Design Registration ⁴ | \$ 3,772 | \$ 3,772 | per unit | Yes |
| Application Cancellation Fee ⁶ | \$ 451 | \$ 451 | per unit | Yes |
| Administrative Cancellation Fee ⁷ | \$ 130 | \$ 130 | per unit | Yes |
| Expedited Service A - initial review within 10 business days ⁵ | 2x applicable fee above | 2x applicable fee above | per unit | Yes |
| Expedited Service B - initial review within 5 business days ⁵ | 3.5x applicable fee above | 3.5x applicable fee above | per unit | Yes |
| Notes: 1: A design which has been previously registered by another Province in Canada and has a Canadian Registration Number (CRN). Both the design documentation and the proof of registration in another Province must be included with the application. 2: Boiler, pressure vessel, pressure piping, pressure fitting designs whose application contents are consistent with the published guidance material and are not likely to require any substantial review effort to verify compliance. 3: Applications may be reclassified by TSBC as "complex" following submission where there is a large scope of design review effort resulting from: - dependence upon application of engineering judgement rather than prescriptive design code clauses - unfamiliarity with applicable codes, standards, design practices or registration process - and/or significant communication exchanges are required due to the applicant's lack of responsiveness in responding to questions and issues which may arise during the registration process 4: Applications may be reclassified by TSBC as "exceptional" following submission where, in addition to the factors considered for "complex", reviews as defined above, one or more of - the design is novel - codes and standards are unique, unfamiliar or new to the Province of BC - very large scope of review requiring multiple days of dedicated effort 5: Turn-Around Times - Standard Design Registration and Expedited Services TSBC works to an average turn-around time of 20 - 30 business days for the initial engineering review of standard design registrations, dependent on the volume of applications. Complete registration time is dependent upon the quality of the application and timeliness of the applicant's responses during the process. Two options for expedited service (A & B) are available dependent on the volume of applications and response times for the initial engineering review under each service are provided above. 6: Applied to boiler, pressure vessel, pressure piping, pressure fitting designs in the event that an application is cancelled by the applicant or rejected by TECHNICAL SAFETY BC after engineering review has occurred. This fee is in lieu of any design registration fee. 7: Applied to boiler, pressure vessel, pressure piping, pressure fitting design applications in the event that an application is cancelled by the applicant or rejected by TECHNICAL SAFETY BC prior to engineering review. This fee is in lieu of any design registration fee. | | | | |
| MISCELLANEOUS | | | | |
| Custom Reports & Searches (per Technology) | Admin Hourly Rate | Admin Hourly Rate | per hour | Yes |
| Replacement / Duplicate Standard Certificate of Qualification or Wallet Card (each) | \$ 80 | \$ 83 | per unit | Yes |
| Application for each copy of a certificate of inspection | \$ 80 | \$ 83 | per unit | Yes |
| Application for variance from the Code | Safety Services Rate | Safety Services Rate | per hour | Yes |
| HOURLY RATES | | | | |
| Administrative Rate | | | | |
| Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m. | \$ 80 | \$ 83 | per hour | Yes |
| Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Administrative rate | \$ 120 | \$ 125 | per hour | Yes |
| Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Administrative rate | \$ 160 | \$ 166 | per hour | Yes |

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| Safety Services Rate Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m. Plus expenses incurred where applicable. - Physical Inspections, minimum 1 hour - Remote Inspection, minimum 30 minutes | \$ 196 | \$ 204 | per hour | Yes |
| Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Safety Services rate | \$ 294 | \$ 306 | per hour | Yes |
| Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Safety Services rate | \$ 392 | \$ 408 | per hour | Yes |
| Professional Services Rate Normal working hours, Monday to Friday inclusive (except holidays), 8:00 a.m. to 4:30 p.m. Plus expenses incurred where applicable | \$ 295 | \$ 307 | per hour | Yes |
| Overtime working hours Monday to Friday inclusive (except holidays), 4:30 p.m. to 8:00 a.m., per hour, charged at 1.5x Professional Services rate | \$ 443 | \$ 461 | per hour | Yes |
| Saturdays, Sundays and Holiday working hours, per hour, charged at 2x Professional Services rate | \$ 590 | \$ 614 | per hour | Yes |
| Plus expenses incurred, where applicable | | | | |
| Late Payment Fees may be charged on overdue accounts | \$ 78 | \$ 81 | per unit | Yes |
| NSF Cheques A charge will be levied when cheques are returned "NSF" | \$ 48 | \$ 50 | per unit | Yes |

| Pressure Vessels Fee Tables January 1, 2024 | | | | | | | | Pressure Vessels Fee Tables January 1, 2025 | | | | | | | |
|--|--------|-----|-------|--------|--------|--------|------|--|--------|-----|-------|--------|--------|--------|------|
| Table B Regular Service | | | | | | | | Table B Regular Service | | | | | | | |
| | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M | | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M |
| Diameter | <1M | 52 | 85 | 131 | 177 | 221 | 261 | Diameter | <1M | 54 | 88 | 136 | 184 | 230 | 271 |
| | 1-2M | 79 | 112 | 157 | 203 | 248 | 288 | | 1-2M | 82 | 116 | 163 | 211 | 258 | 300 |
| | 2-3M | 105 | 137 | 182 | 227 | 272 | 310 | | 2-3M | 109 | 142 | 189 | 236 | 283 | 322 |
| | 3-4M | 131 | 163 | 210 | 254 | 299 | 338 | | 3-4M | 136 | 170 | 218 | 264 | 311 | 352 |
| | 4-5M | 155 | 187 | 232 | 278 | 324 | 363 | | 4-5M | 161 | 194 | 241 | 289 | 337 | 378 |
| | >5M | 182 | 215 | 259 | 304 | 350 | 389 | | >5M | 189 | 224 | 269 | 316 | 364 | 405 |
| Table C Designated service | | | | | | | | Table C Designated service | | | | | | | |
| | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M | | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M |
| Diameter | <1M | 107 | 177 | 261 | 350 | 437 | 523 | Diameter | <1M | 111 | 184 | 271 | 364 | 454 | 544 |
| | 1-2M | 158 | 228 | 311 | 402 | 487 | 576 | | 1-2M | 164 | 237 | 323 | 418 | 506 | 599 |
| | 2-3M | 210 | 278 | 363 | 452 | 537 | 626 | | 2-3M | 218 | 289 | 378 | 470 | 558 | 651 |
| | 3-4M | 259 | 330 | 413 | 503 | 589 | 676 | | 3-4M | 269 | 343 | 430 | 523 | 613 | 703 |
| | 4-5M | 307 | 378 | 462 | 552 | 637 | 725 | | 4-5M | 319 | 393 | 480 | 574 | 662 | 754 |
| | >5M | 362 | 430 | 516 | 603 | 690 | 778 | | >5M | 376 | 447 | 537 | 627 | 718 | 809 |
| Table D Special service | | | | | | | | Table D Special service | | | | | | | |
| | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M | | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M |
| Diameter | <1M | 163 | 261 | 393 | 523 | 654 | 785 | Diameter | <1M | 170 | 271 | 409 | 544 | 680 | 816 |
| | 1-2M | 242 | 339 | 471 | 601 | 733 | 865 | | 1-2M | 252 | 353 | 490 | 625 | 762 | 900 |
| | 2-3M | 315 | 412 | 544 | 675 | 806 | 937 | | 2-3M | 328 | 428 | 566 | 702 | 838 | 974 |
| | 3-4M | 395 | 492 | 625 | 755 | 885 | 1018 | | 3-4M | 411 | 512 | 650 | 785 | 920 | 1059 |
| | 4-5M | 468 | 565 | 697 | 828 | 959 | 1090 | | 4-5M | 487 | 588 | 725 | 861 | 997 | 1134 |
| | >5M | 545 | 642 | 774 | 906 | 1036 | 1167 | | >5M | 567 | 668 | 805 | 942 | 1077 | 1214 |
| Table E LPG Service | | | | | | | | Table E LPG Service | | | | | | | |
| | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M | | Length | <5M | 5-10M | 10-15M | 15-20M | 20-25M | >25M |
| Diameter | <1M | 36 | 51 | 82 | 108 | 136 | 163 | Diameter | <1M | 37 | 53 | 85 | 112 | 141 | 170 |
| | 1-2M | 48 | 65 | 97 | 120 | 149 | 177 | | 1-2M | 50 | 68 | 101 | 125 | 155 | 184 |
| | 2-3M | 71 | 87 | 118 | 142 | 171 | 197 | | 2-3M | 74 | 90 | 123 | 148 | 178 | 205 |
| | 3-4M | 82 | 101 | 131 | 155 | 183 | 212 | | 3-4M | 85 | 105 | 136 | 161 | 190 | 220 |
| | 4-5M | 96 | 111 | 142 | 167 | 194 | 223 | | 4-5M | 100 | 115 | 148 | 174 | 202 | 232 |
| | >5M | 112 | 127 | 159 | 184 | 213 | 240 | | >5M | 116 | 132 | 165 | 191 | 222 | 250 |