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Teri Gardner 8-26-2020

Department of Labor & Industries  
Apprenticeship Section  
PO Box 44530  
Olympia WA 98504-4530



## REQUEST FOR APPROVAL OF PROPOSED STANDARDS



TO: Washington State Apprenticeship & Training Council

FROM: Dakota Creek Industries, Inc

NAME OF PROGRAM SPONSOR

Check appropriate box:

☒ Committee

☐ Plant

☐ OJT

OCCUPATION(S):	HOURS:	SOC #:
MACHINERY ASSEMBLER	6000	51-2031.00
MARINE ELECTRICIAN	6000	47-2111.00
MARINE PAINTER	6000	47-2141.00
MARINE PIPEFITTER	6000	47-2152.01
PRODUCTION WELDER	6000	51-4121.06
SHIPFITTER/FABRICATOR	6000	51-2041.00

Authorized Signatures:

(chr):

(sec):

Date:

Approved by:

Washington State Apprenticeship & Training Council

Secretary of Council

Date:

8-26-2020



APPRENTICESHIP PROGRAM STANDARDS  
adopted by

DAKOTA CREEK INDUSTRIES, INC.

(sponsor name)

Occupational Objective(s):	SOC#	Term [WAC 296-05-015]
MACHINERY ASSEMBLER	51-2031.00	6000 HOURS
MARINE ELECTRICIAN	47-2111.00	6000 HOURS
MARINE PAINTER	47-2141.00	6000 HOURS
MARINE PIPEFITTER	47-2152.01	6000 HOURS
PRODUCTION WELDER	51-4121.06	6000 HOURS
SHIPFITTER/FABRICATOR	51-2041.00	6000 HOURS



APPROVED BY  
Washington State Apprenticeship and Training Council  
REGISTERED WITH  
Apprenticeship Section of Fraud Prevention and Labor Standards  
Washington State Department Labor and Industries  
Post Office Box 44530  
Olympia, Washington 98504-4530

APPROVAL:

Provisional Registration

Standards Last Amended

Permanent Registration

By: \_\_\_\_\_  
Chair of Council

By: \_\_\_\_\_  
Secretary of Council

# DAKOTA CREEK INDUSTRIES, INC.

## INTRODUCTION

This document is an apprenticeship program standard. Apprenticeship program standards govern how an apprenticeship works and have specific requirements. This document will explain the requirements.

The director of the Department of Labor and Industries (L&I) appoints the Washington State Apprenticeship and Training Council (WSATC) to regulate apprenticeship program standards. The director appoints and deputizes an assistant director to be known as the supervisor of apprenticeship who oversees administrative functions through the apprenticeship section at the department.

The WSATC is the sole regulatory body for apprenticeship standards in Washington. It approves, administers, and enforces apprenticeship standards, and recognizes apprentices when either registered with L&I's apprenticeship section, or under the terms and conditions of a reciprocal agreement. WSATC also must approve any changes to apprenticeship program standards.

Apprenticeship programs have sponsors. A sponsor operates an apprenticeship program and declares their purpose and policy herein to establish an organized system of registered apprenticeship education and training. The sponsor recognizes WSATC authority to regulate and will submit a revision request to the WSATC when making changes to an apprenticeship program standard.

Apprenticeships are governed by federal law (29 U.S.C 50), federal regulations (29 CFR Part 29 & 30), state law (49.04 RCW) and administrative rules (WAC 296-05). These standards conform to all of the above and are read together with federal and state laws and rules

Standards are changed with WSATC approval. Changes are binding on apprentices, sponsors, training agents, and anyone else working under an agreement governed by the standards. Sponsors may have to maintain additional information as supplemental to these standards. When a standard is changed, sponsors are required to notify apprentices and training agents. If changes in federal or state law make any part of these standards illegal, the remaining parts are still valid and remain in force. Only the part made illegal by changes in law is invalid. L&I and the WSATC may cooperate to make corrections to the standards if necessary to administer the standards.

Sections of these standards identified as bold **“insert text”** fields are specific to the individual program standards and may be modified by a sponsor submitting a revised standard for approval by the WSATC. All other sections of these standards are boilerplate and may only be modified by the WSATC. See WAC 296-05-003 for the definitions necessary for use with these standards.

Sponsor Introductory Statement (Required):

**America's workforce is aging. As this aging workforce begins to retire, they will take with them a lifetime of skills and expertise, leaving potential skill gaps in the labor force and**

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skilled labor for Dakota Creek Industries. As identified by the Rand Corporations strategic assessment of the future of U.S. Navy Ship Maintenance ([https://www.rand.org/content/dam/rand/pubs/research\\_reports/RR1900/RR1951/RAND-RR1951.pdf](https://www.rand.org/content/dam/rand/pubs/research_reports/RR1900/RR1951/RAND-RR1951.pdf))

“Bureau of Labor Statistics projections indicate that the national demand for ship repair–related trades is expected to increase but, except in a few areas, at a rate equal or slower as that of the broad economy. While in the short term this might conceivably enhance the skilled labor available for ship-specific trades, the longer-term impact is likely to be different. Specifically, Navy ship maintenance is conducted in a limited number of geographic areas, with most others not exposed to the kinds of trades and skills employed in ship repair. With prospects for industrial work in other areas uncertain, the number of entrants into these fields across the national economy may be suppressed. Navy ship repair and maintenance may be one of the few places where demand is growing, even as the national supply declines in response to market forces. These patterns raise questions about whether ship repair and maintenance providers will be able to attract sufficient numbers of qualified trade workers in the future.”

A registered apprenticeship program ensures that Dakota Creek Industries will have skilled workers who are familiar with the work and production standards of Dakota Creek.

This program allows Dakota Creek Industries to be a provider of post-secondary education that combines employment with training and education, which creates jobs and career opportunities in our community.

This also compliments Economic Development, enhances Career and Technical Education, and allows Dakota Creek Industries to offer a good alternative for those who chose to pursue a technical trade rather than a 4-year college degree.

### **I. GEOGRAPHIC AREA COVERED:**

The sponsor must train inside the area covered by these standards. If the sponsor wants to train outside the area covered by these standards, the sponsor must enter a portability agreement with a sponsor outside the area, and provide evidence of such an agreement for compliance purposes. Portability agreements permit training agents to use apprentices outside the area covered by the standards. Portability agreements are governed by WAC 296-05-009.

The area covered by these standards shall be within the properties owned or leased by Dakota Creek Industries, Inc. located in Skagit County, Washington.

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### **II. MINIMUM QUALIFICATIONS:**

Minimum qualifications must be clearly stated and applied in a nondiscriminatory manner [WAC 296-05-015(17)].

Age: **Shall not be less than eighteen (18) years of age at time of application**

Education: **High School Diploma or equivalent**

Physical: **Able to perform the physical requirement of the occupation, with or without reasonable accommodation.**

Testing: **None**

Other: **None**

### **III. CONDUCT OF PROGRAM UNDER WASHINGTON EQUAL EMPLOYMENT OPPORTUNITY PLAN:**

Sponsors with five (5) or more apprentices must adopt an Equal Employment Opportunity (EEO) Plan and Selection Procedure (chapter 296-05 WAC and 29 CFR Part 30).

The recruitment, selection, employment and training of apprentices during their apprenticeship shall be without discrimination because of race, sex (including pregnancy and gender identity), sexual orientation, color, religion, national origin, age, genetic information, disability or as otherwise specified by law. The sponsor shall take positive action to provide equal opportunity in apprenticeship and will operate the apprenticeship program as required by the rules of the Washington State Apprenticeship and Training Council and Title 29, Part 30 of the Code of Federal Regulations.

#### **A. Selection Procedures:**

**Applicants will be selected for Dakota Creek Industries, Inc. apprenticeship based on the following factors:**

- 1. The sponsor shall do a companywide posting, announcing openings as they occur in the apprentice classifications.**
- 2. The sponsor shall select the apprentices from those employees in the company who answer the posting.**
- 3. Selection shall be based on past work history, a demonstrated learning ability, prior schooling or experience, and interview panel.**

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- 4. If applicants are not available within the Dakota Creek Industries, Inc. workforce, the sponsor will advertise with resources identified in the Equal Employment Opportunity Plan.**
- 5. The apprenticeship training coordinator will notify applicants of the selection.**
- 6. Exception: The sponsor reserve the right to make exception to the selection procedure in considering applicants having previous experience, accredited training, and/or by waving the minimum educational requirement.**

### **B. Equal Employment Opportunity Plan:**

- 1. The following statements will be included in advertisements and announcements for company entry-level positions: "Dakota Creek Industries is an Equal Opportunity Employer. Women and minorities are encouraged to apply. Entry level positions can lead to apprenticeship positions."**
- 2. Advertisements and announcements of employment opportunities will be posted with the Skagit County Work Source Center.**
- 3. Grant advance standing or credit for previously acquired experience or training on a case-by-case basis.**
- 4. Cooperate with school boards, community colleges and vocational schools to develop programs, which prepare students for entrance into apprenticeship.**

### **C. Discrimination Complaints:**

Any apprentice or applicant for apprenticeship who believes they have been discriminated against may file a complaint with the supervisor of apprenticeship (WAC 296-05-443).

## **IV. TERM OF APPRENTICESHIP:**

The term of apprenticeship for an individual apprentice may be measured through the completion of the industry standard for on-the-job learning (at least two thousand hours) (time-based approach), the attainment of competency (competency-based approach), or a blend of the time-based and competency-based approaches (hybrid approach) [WAC 296-05-015].

**The term of apprenticeship for the Machinery Assembler, Marine Electrician, Marine Painter, Marine Pipefitter, Production Welder, and Shipfitter/Fabricator shall be not less than 6000 hours of reasonably continuous employment.**

**V. INITIAL PROBATIONARY PERIOD:**

An initial probationary period applies to all apprentices, unless the apprentice has transferred from another program. During an initial probationary period, an apprentice can be discharged without appeal rights. An initial probationary period is stated in hours or competency steps of employment. The initial probationary period is not reduced by advanced credit or standing. During an initial probationary period, apprentices receive full credit for hours and competency steps toward completion of their apprenticeship. Transferred apprentices are not subject to additional initial probationary periods [WAC 296-05-003].

The initial probationary period is [WAC 296-05-015(22)]:

- A. the period following the apprentice's registration into the program. An initial probationary period must not be longer than twenty percent of the term of the entire apprenticeship, or longer than a year from the date the apprenticeship is registered. The WSATC can grant exemptions for longer initial probationary periods if required by law.
- B. the period in which the WSATC or the supervisor of apprenticeship may terminate an apprenticeship agreement at the written request by any affected party. The sponsor or the apprentice may terminate the agreement without a hearing or stated cause. An appeal process is not available to apprentices in their initial probationary period.

**The initial probationary period for the Machinery Assembler, Marine Electrician, Marine Painter, Marine Pipefitter, Production Welder, and Shipfitter/Fabricator shall be the first 1200 hours of employment as an apprentice.**

**VI. RATIO OF APPRENTICES TO JOURNEY LEVEL WORKERS**

Supervision is the necessary education, assistance, and control provided by a journey-level employee on the same job site at least seventy-five percent of each working day, unless otherwise approved by the WSATC. Sponsors ensure apprentices are supervised by competent, qualified journey-level employees. Journey level-employees are responsible for the work apprentices perform, in order to promote the safety, health, and education of the apprentice.

- A. The journey-level employee must be of the same apprenticeable occupation as the apprentice they are supervising unless otherwise allowed by the Revised Code of Washington (RCW) or the Washington Administrative Code (WAC) and approved by the WSATC.
- B. The numeric ratio of apprentices to journey-level employees may not exceed one apprentice per journey-level worker [WAC 296-05-015(5)].
- C. Apprentices will work the same hours as journey-level workers, except when such hours may interfere with related/supplemental instruction.

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- D. Any variance to the rules and/or policies stated in this section must be approved by the WSATC.
- E. The ratio must be described in a specific and clear manner, as to the application in terms of job site, work group, department or plant:

**The ratio shall not exceed one (1) apprentice for each one (1) journey-level worker per job site.**

### **VII. APPRENTICE WAGES AND WAGE PROGRESSION:**

- A. Apprentices must be paid at least Washington's minimum wage, unless a local ordinance or a collective bargaining agreement require a higher wage. Apprentices must be paid according to a progressively increasing wage scale. The wage scale for apprentices is based on the specified journey-level wage for their occupation. Wage increases are based on hours worked or competencies attained. The sponsor determines wage increases. Sponsors must submit the journey-level wage at least annually or whenever changed to the department as an addendum to these standards. Journey-level wage reports may be submitted on a form provided by the department. Apprentices and others should contact the sponsor or the Department for the most recent Journey-level wage rate.
- B. Sponsors can grant advanced standing, and grant a wage increase, when apprentices demonstrate abilities and mastery of their occupation. When advanced standing is granted, the sponsor notifies the employer/training agent of the wage increase the apprenticeship program standard requires.

- C. Wage Progression Schedules

**Machinery Assembler, Marine Electrician, Marine Painter, Marine Pipefitter, Production Welder, and Shipfitter/Fabricator.**

Step	Hour Range or competency step	Percentage of journey-level wage rate*
<b>1</b>	<b>0000 - 2000</b>	<b>60%</b>
<b>2</b>	<b>2001 - 3000</b>	<b>65%</b>
<b>3</b>	<b>3001 - 4000</b>	<b>70%</b>
<b>4</b>	<b>4001 - 5000</b>	<b>80%</b>
<b>5</b>	<b>5001- 6000</b>	<b>90%</b>

### **VIII. WORK PROCESSES:**

The apprentice shall receive on the job instruction and work experience as is necessary to become a qualified journey-level worker versed in the theory and practice of the occupation covered by these standards. The following is a condensed schedule of work experience,



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which every apprentice shall follow as closely as conditions will permit. The following work process descriptions pertain to the occupation being defined.

### A. Machinery Assembler

### Approximate Hours

1. Foundational Training Assembly and skip welding of plates, stiffeners, girders, and prefabricated parts into panels, including brackets, spool and ring penetrators, hangers, foundations and attachment of miscellaneous outfitting parts using assembly drawings, numeric controlled (NC) parts and detailed cutting or assembly instructions. Includes use of safety equipment, hand tools, power tools, and various welding equipment for assembly, handling, welding and fabricating parts and subassemblies. (w/applied safety guidance) .....1800
2. Foundational Training Assistance with machinery alignment, rigging, and spooling attachment. Installation of pre-outfitted machinery packages, environmental protective measures. Includes grinding, cleaning, and maintenance of equipment. (w/applied safety guidance) .....1200
3. Close tolerance alignment of shafts, bearings, glands, couplings, Ujoints, motors and engines, pumps, or any other rotating, oscillating, or reciprocating machinery requiring close alignment tolerances and those driven through belts, chains, and countershafts. This training involves rigging for lifts, fabrication of foundations, chocking of equipment, use of mandrels and dummies, bolt torqueing, and pin fitting. The work includes calculations of shaft size, alignment calculations, bearing spacing calculations, shaft droop calculations, and checking of components for specified tolerance measurements along with use of close tolerance alignment procedures. Write up of beginning and final condition reports is to be done as a part of this work. (w/applied safety guidance) .....2000
4. Use of all hand tools, alignment tools, and measuring equipment in the shop, including basic use of lathes, vertical mills, portable and stationary drill presses, metal saws, and portable mill. Maintenance of tools and equipment. Use of and familiarity with multiple fastener types specifically for use in machinery installations. (w/applied safety guidance) .....1000

Total Hours: 6000

### B. Marine Electrician

### Approximate Hours

1. Will learn pulling ships cable, know radiuses breakout, cable banding, packing stuff tubes, packing cable transits. Properly label and identify cable tags. Identify ship's different types of cable. Learn material names, symbols, and numbers

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commonly used in marine industry. Installation and hookup of telephone, PA, Fire, and CCTV systems. (w/applied safety guidance).....2000

2. Use & read blueprints, abbreviations and symbols. Identify and install various equipment. Layout and install cable penetration in equipment. Work with temporary lighting and power aboard vessels. Set up power distribution for equipment used. Learn power cable repair, hookup switchboard control and alarm systems. Layout panel assemblies from blueprints. (w/applied safety guidance).....2000
3. Hookup AC power distribution panels. Hookup and operation of step-up and step-down transformers. Hook up and operation of AC motors and related motor control systems. Learn DC charging systems and DC power distribution. Use safety procedures for connecting and disconnecting of shore power. Learn testing procedures & troubleshooting of integrated systems. (w/applied safety guidance).....2000

Total Hours: 6000

### C. Marine Painter

#### APPROXIMATE HOURS

1. Preparation of surfaces (w/applied safety guidance) .....1250
2. Pretreatment (w/applied safety guidance) .....500
3. Paint materials (w/applied safety guidance) .....500
4. Paint applications (w/applied safety guidance).....1250
5. Paint equipment maintenance (w/applied safety guidance) .....300
6. Inspection (w/applied safety guidance).....200
7. Coating applications (w/applied safety guidance) .....2000

Total Hours: 6000

### D. Marine Pipefitter

#### APPROXIMATE HOURS

1. Shop work (w/applied safety guidance) .....2000
  - a. Operation of pipe benders
  - b. Fabrication of ferrous pipe systems
  - c. Fabrication of non-ferrous pipe systems
  - d. Control of material
2. Shipboard (w/applied safety guidance).....3000

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a. Machinery spaces	
(1) Installation of ferrous pipe systems	
(2) Installation of non-ferrous pipe systems	
(3) Testing of machinery space piping systems	
b. Tanks and compartments	
(1) Installation of ferrous pipe systems	
(2) Installation of non-ferrous pipe systems	
(3) Testing of shipboard systems	
c. Installation of hydraulic systems	
d. Safety procedures	
3. Ship repair (w/applied safety guidance).....	334
4. Label plate (w/applied safety guidance) .....	333
5. Planning (w/applied safety guidance) .....	333
Total Hours:	6000

### E. Production Welder

### APPROXIMATE HOURS

1. Foundational Training Assembly and skip welding of plates, stiffeners, girders, and prefabricated parts into panels, including brackets, spool and ring penetrators, hangers, foundations and attachment of miscellaneous outfitting parts using assembly drawings, NC parts and detailed cutting or assembly instructions. Includes use of safety equipment, hand tools, power tools, and various welding equipment for assembly, handling, welding and fabricating parts, and subassemblies. (w/applied safety guidance).....	1800
2. Grind, air arc, bevel, or otherwise prepare joints for welding. Grind seams, dogs, edges, and appendages to Dakota Creek Industries finish standards. Testing and leak repair of bulkheads, tanks, and pipes. (w/applied safety guidance).....	1200
3. Weld steel and aluminum fillets in all positions with wire feeder. Weld steel or aluminum butt joints in all positions with wire feeder using weld symbols and in accordance with Dakota Creek Industries Welding Standards. TIG, MIG, or stick weld any general pipe applications. Certify to 2-G, 3-G, and 4-G using Dakota Creek Industries Standards for Spray Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW) processes in both steel and aluminum. Weld hull shell butt weld seams to American Bureau of Shipping/Non-Destructive Testing	

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(ABS/NDT) standards. (w/applied safety guidance) .....3000

**Total Hours: 6000**

**F. Shipfitter/Fabricator APPROXIMATE HOURS**

1. Equipment operations (w/applied safety guidance).....400
2. Welding (w/applied safety guidance) .....600
3. Burning/cutting (w/applied safety guidance).....320
4. Rigging (w/applied safety guidance).....300
5. Layout and template (w/applied safety guidance) .....600
6. Testing (w/applied safety guidance) .....100
7. Fabrication (w/applied safety guidance).....3480
8. Shop safety procedures (w/applied safety guidance) .....200

**Total Hours: 6000**

**Please note: All of the foregoing work experience listed above for all listed occupations, is understood to mean as it pertains to the each trade herein involved in these standards.**

**Instruction on job safety and health practices shall be included in job instruction for all occupations.**

**IX. RELATED/SUPPLEMENTAL INSTRUCTION:**

The apprentice must attend related/supplemental instruction (RSI). Time spent in RSI shall not be considered as hours of work and the apprentice is not required to be paid.

RSI must be provided in safe and healthy conditions as required by the Washington Industrial Safety and Health Act and applicable federal and state regulations.

Hours spent in RSI are reported to L&I each quarter. Reports must show which hours are unpaid and supervised by a competent instructor versus all other hours (paid and/or unsupervised) for industrial insurance purposes.

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For purposes of coverage under the Industrial Insurance Act, the WSATC is an employer and the apprentice is an employee when an unpaid, supervised apprentice is injured while under the direction of a competent instructor and participating in RSI activities.

If apprentices do not attend required RSI, they may be subject to disciplinary action by the sponsor.

A. The methods of related/supplemental training must be indicated below (check those that apply):

☐ Supervised field trips

☐ Sponsor approved training seminars (specify)

☐ Sponsor approved online or distance learning courses (specify)

☒ State Community/Technical college: **Skagit Valley College**

☐ Private Technical/Vocational college

☒ Sponsor Provided (lab/classroom) **Dakota Creek Industries Facilities**

☒ Other (specify): **Dakota Creek Industries Training and Vendor Training as necessary**

B. **216** Minimum RSI hours per year defined per the following [see WAC 296-05-015(6)]  
**for the occupations of: Machinery Assembler, Marine Electrician, Marine Painter, Marine Pipefitter, Production Welder, Shipfitter/Fabricator.**

☐ Twelve-month period from date of registration.\*

☒ Defined twelve-month school year: **July** through **June**.

☐ Two-thousand hours of on the job training.

*\*If no selection is indicated above, the WSATC will define RSI hours per twelve-month period from date of registration.*

C. Additional Information:

**NONE**

### **X. ADMINISTRATIVE/DISCIPLINARY PROCEDURES:**

A. Administrative Procedures:

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The sponsor may include in this section a summary and explanation of administrative actions performed at the request or on the behalf of the apprentice. Such actions may include but are not limited to:

1. Voluntary Suspension: A temporary interruption in progress of an individual's apprenticeship agreement at the request of the apprentice and granted by the sponsor. The program sponsor shall review apprentices in suspended status at least once each year to determine if the suspension is still appropriate.
2. Advanced Standing or Credit: The sponsor may provide for advanced standing or credit for demonstrated competency, acquired experience, training or education in or related to the occupation. All sponsors need to ensure a fair and equitable process is applied to all apprentices seeking advanced standing or credit per WAC 296-05-015(11).
3. Sponsor Procedures:
  - a. **Amendment and Deregistration of Program:**
    - (1) **The addendum to these Standards may be amended for the betterment of the Standards by submitting proposed amendment(s), in writing, to the Registration Agency, for approval, forty-five (45) days prior to the next regularly scheduled meeting of the Washington State Apprenticeship and Training Council. If approved by the Council, such amendment(s) and such changes as adopted by the Council shall be binding to all parties.**
    - (2) **Deregistration of the program may be accomplished voluntarily by a written request from the Sponsor to the Registration Agency, or by formal deregistration proceedings, under reasonable cause, by the Registration Agency instituting formal deregistration proceedings in accordance with the provisions of WAC 296-05-200.**
  - b. **Continuous Employment: If, for any reason, a layoff of an apprentice occurs, the Apprenticeship Agreement shall remain in effect unless cancelled by the Sponsor.**

### B. Disciplinary Procedures

1. The obligations of the sponsor when taking disciplinary action are as follows:
  - a. The sponsor shall be responsible for enacting reasonable policies and procedures and applying them consistently. The sponsor will inform all apprentices of their rights and responsibilities per these standards.
  - b. The sponsor shall notify the apprentice of intent to take disciplinary action and reasons therefore 20 calendar days prior to taking such action. The reason(s)

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supporting the sponsor's proposed action(s) must be sent in writing to the apprentice.

- c. The sponsor must clearly identify the potential outcomes of disciplinary action, which may include but are not limited to discipline, suspension or cancellation of the apprenticeship agreement.
  - d. The decision/action of the sponsor will become effective immediately.
2. The sponsor may include in this section requirements and expectations of the apprentices and an explanation of disciplinary actions imposed for noncompliance. The sponsor has the following disciplinary procedures to adopt:
    - a. Disciplinary Probation: A time assessed when the apprentice's progress is not satisfactory. During this time the sponsor may withhold periodic wage advancements, suspend or cancel the apprenticeship agreement, or take further disciplinary action. A disciplinary probation may only be assessed after the initial probation is complete.
    - b. Disciplinary Suspension: A temporary interruption in the progress of an individual's apprenticeship agreement. Conditions will include not being allowed to participate in On-the-Job Training (OJT), go to Related Supplemental Instruction (RSI) classes or take part in any activity related to the Apprenticeship Program until such time as the sponsor takes further action. The program sponsor shall review apprentices in such status at least once each year.
    - c. Cancellation: Refers to the termination of an apprenticeship agreement at the request of the apprentice, supervisor, or sponsor. [WAC 296-05-003].
  3. Sponsor Disciplinary Procedures:
    - a. **Failure to maintain employment with Dakota Creek Industries may result in cancellation of the apprenticeship agreement.**

### C. Apprentice Complaint Procedures:

1. The apprentice must complete his/her initial probationary period in order to be eligible to file a complaint (WAC 296-05-105).
2. Complaints involving matters covered by a collective bargaining agreement are not subject to the complaint procedures in this section.
3. Complaints regarding non-disciplinary matters must be filed with the program sponsor within 30 calendar days from the date of the last occurrence. Complaints must be in writing.

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4. If the apprentice disagrees with the resolution of the complaint or wishes to contest the outcome of a disciplinary action by the program sponsor, the apprentice must file a written request for reconsideration with the program sponsor within 30 calendar days from the date the apprentice received written notice of action by the program sponsor.
5. The program sponsor must reply, in writing, to the request for reconsideration within 30 calendar days from the date the program sponsor receives the request. The program sponsor must send a copy of the written reply to the apprentice within the 30 calendar days.
6. If the apprentice disagrees with the program sponsor's decision, the apprentice may file an appeal with the Apprenticeship Program, (WAC 296-05-105). If the apprentice does not timely file an appeal, the decision of the program sponsor is final after 30 calendar days from the date the program sponsor mails the decision to the apprentice. See section "D" below.

### **D. Apprentice Complaint Review/Appeals Procedures:**

1. If the apprentice disagrees with the program sponsor's decision, the apprentice must submit a written appeal to L&I's apprenticeship section within 30 calendar days from the date the decision is mailed by the program sponsor. Appeals must describe the subject matter in detail and include a copy of the program sponsor's decision.
2. The L&I apprenticeship section will complete its investigation within 30 business days from the date the appeal is received and attempt to resolve the matter.
3. If the Apprenticeship section is unable to resolve the matter within 30 business days, the Apprenticeship section issues a written decision resolving the appeal.
4. If the apprentice or sponsor is dissatisfied with L&I's decision, either party may request the WSATC review the decision. Requests for review to the WSATC must be in writing. Requests for review must be filed within 30 calendar days from the date the decision is mailed to the parties.
5. The WSATC will conduct an informal hearing to consider the request for review.
6. The WSATC will issue a written decision resolving the request for review. All parties will receive a copy of the WSATC's written decision.

## **XI. SPONSOR – RESPONSIBILITIES AND GOVERNING STRUCTURE**

The following is an overview of the requirements associated with administering an apprenticeship program. These provisions are to be used with the corresponding RCW and/or WAC. The sponsor is the policymaking and administrative body responsible for the



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operation and success of this apprenticeship program. The sponsor may assign an administrator or a committee to be responsible for day-to-day operations of the apprenticeship program. Administrators and/or committee members must be knowledgeable in the process of apprenticeship and/or the application of chapter 49.04 RCW and chapter 296-05 WAC and these standards. If applicable, sponsors must develop procedures for:

### A. Committee Operations (WAC 296-05-009): (Not applicable for Plant Programs)

Apprenticeship committees must be composed of an equal number of management and non-management representatives from a minimum of four to a maximum of twelve members. Committees must convene meetings at least three times per year attended by a quorum of committee members as defined in these approved standards.

### B. Program Operations

The sponsor will record and maintain records pertaining to the administration of the apprenticeship program and make them available to the WSATC or Department upon request. Records required by WAC 296-05-100 will be maintained for five (5) years; all other records will be maintained for three (3) years. Apprenticeship sponsors will submit required forms/reports to the Department of Labor and Industries through one of the two prescribed methods below:

Sponsors shall submit required forms/reports through assigned state apprenticeship consultant.

Or;

Sponsors shall submit required forms/reports through the Apprentice Registration and Tracking System (ARTS), accessed through Secure Access Washington (SAW).

Paper forms as well as ARTS external access forms are available from the sponsor's assigned apprenticeship consultant or online at:

<http://www.lni.wa.gov/TradesLicensing/Apprenticeship/FormPub/default.asp>.

1. The following is a listing of forms/reports for the administration of apprenticeship programs and the time-frames in which they must be submitted:
  - a. Apprenticeship Agreements – within first 30 days of employment
  - b. Authorization of Signature forms - as necessary
  - c. Approved Training Agent Agreements– within 30 days of sponsor action
  - d. Minutes of Apprenticeship Committee Meetings – within 30 days of sponsor approval (not required for Plant program)
  - e. Request for Change of Status - Apprenticeship/Training Agreement and Training Agents forms – within 30 days of action by sponsor.
  - f. Journey Level Wage Rate – annually, or whenever changed as an addendum to section VII. Apprentice Wages and Wage Progression.
  - g. Related Supplemental Instruction (RSI) Hours Reports (Quarterly):

## **DAKOTA CREEK INDUSTRIES, INC.**

- 1st quarter: January through March, due by April 10
  - 2nd quarter: April through June, due by July 10
  - 3rd quarter: July through September, due by October 10
  - 4th quarter: October through December, due by January 10
  - h. On-the-Job Work Hours Reports (bi-annual)
    - 1st half: January through June, by July 30
    - 2nd half: July through December, by January 31
2. The program sponsor will adopt, as necessary, local program rules or policies to administer the apprenticeship program in compliance with these standards. Requests for revision to these standards of apprenticeship must be submitted 45 calendar days prior to a quarterly WSATC meeting. The Department of Labor and Industries, Apprenticeship Section's manager may administratively approve requests for revisions in the following areas of the standards:
- a. Program name
  - b. Sponsor's introductory statement
  - c. Section III: Conduct of Program Under Washington Equal Employment Opportunity Plan
  - d. Section VII: Apprentice Wages and Wage Progression
  - e. Section IX: Related/Supplemental Instruction
  - f. Section XI: Sponsor – Responsibilities and Governing Structure
  - g. Section XII: Subcommittees
  - h. Section XIII: Training Director/Coordinator
3. The sponsor will utilize competent instructors as defined in WAC 296-05-003 for RSI. Furthermore, the sponsor will ensure each instructor has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide instruction.

### **C. Management of Apprentices:**

- 1. Each apprentice (and, if under 18 years of age, the parent or guardian) will sign an apprenticeship agreement with the sponsor, who will then register the agreement with the Department before the apprentice attends RSI classes, or within the first 30 days of employment as an apprentice. For the purposes of industrial insurance coverage and prevailing wage exemption under RCW 39.12.021, the effective date of registration will be the date the agreement is received by the Department.
- 2. The sponsor must notify the Department within 30 days of all requests for disposition or modification to apprentice agreements, which may include:
  - a) Certificate of completion
  - b) Additional credit
  - c) Suspension (i.e. military service or other)
  - d) Reinstatement
  - e) Cancellation

## **DAKOTA CREEK INDUSTRIES, INC.**

- f) Corrections
  - g) Step Upgrades
  - h) Probation Completion date
  - i) Other (i.e., name changes, address)
  - j) Training Agent Cancellation
3. The sponsor commits to rotate apprentices in the various processes of the skilled occupation to ensure the apprentice is trained to be a competent journey-level worker.
  4. The sponsor shall periodically review and evaluate apprentices before advancement to the apprentice's next wage progression period. The evidence of such advancement will be the record of the apprentice's progress on the job and during related/supplemental instruction.
  5. The sponsor has the obligation and responsibility to provide, insofar as possible, reasonably continuous employment for all apprentices in the program. The sponsor may arrange to transfer an apprentice from one training agent to another or to another program when the sponsor is unable to provide reasonably continuous employment, or they are unable to provide apprentices the diversity of experience necessary for training and experience in the various work processes as stated in these standards. The new training agent will assume all the terms and conditions of these standards. If, for any reason, a layoff of an apprentice occurs, the apprenticeship agreement will remain in effect unless canceled by the sponsor.
  6. An apprentice who is unable to perform the on-the-job portion of apprenticeship training may, if the apprentice so requests and the sponsor approves, participate in related/supplemental instruction, subject to the apprentice obtaining and providing to the sponsor written requested document/s for such participation. However, time spent will not be applied toward the on-the-job portion of apprenticeship training.
  7. The sponsor shall hear and decide all complaints of violations of apprenticeship agreements.
  8. Upon successful completion of apprenticeship, as provided in these standards, and passing the examination that the sponsor may require, the sponsor will recommend the WSATC award a Certificate of Completion of Apprenticeship. The sponsor will make an official presentation to the apprentice who has successfully completed his/her term of apprenticeship.

### **D. Training Agent Management:**

1. The sponsor shall offer training opportunities for apprentices by ensuring reasonable and equal working and training conditions are applied uniformly to all apprentices. The sponsor shall provide training at an equivalent cost to that paid by other employers and apprentices participating in the program. The sponsor shall not

## DAKOTA CREEK INDUSTRIES, INC.

require an employer to sign a collective bargaining agreement as a condition of participation.

2. The sponsor must determine whether an employer can adequately furnish proper on the job training to an apprentice in accordance with these standards. The sponsor must also require any employer requesting approved training status to complete an approved training agent agreement and to comply with all federal and state apprenticeship laws, and these standards.
3. The sponsor will submit training agent agreements to the Department with a copy of the agreement and/or the list of approved training agents within thirty calendar days from the effective date. Additionally, the sponsor must submit rescinded training agent agreements to the Department within thirty calendar days of said action.

### E. Committee governance (if applicable): (see WAC 296-05-009)

1. Apprenticeship committees shall elect a chairperson and a secretary who shall be from opposite interest groups, i.e., chairperson-employers; secretary-employees, or vice versa. If the committee does not indicate its definition of quorum, the interpretation will be “50% plus 1” of the approved committee members. The sponsor must also provide the following information:

- a. Quorum: **A quorum shall consist of one (1) member from the employer and one (1) from the employees.**
- b. Program type administered by the committee: **Individual Non-Joint**
- c. The employer representatives shall be:

**Mike Johnson, Chairperson**  
**820 4<sup>th</sup> Street**  
**Anacortes, WA. 98221**

**Casey Gustafsen**  
**820 4<sup>th</sup> Street**  
**Anacortes, WA. 98221**

- d. The employee representatives shall be:

**Jack Meyer, Secretary**  
**820 4<sup>th</sup> Street**  
**Anacortes, WA. 98221**

**Jerry Sanchez**  
**820 4<sup>th</sup> Street**  
**Anacortes, WA. 98221**

### F. Plant programs

For plant programs the WSATC or the Department designee will act as the apprentice representative. Plant programs shall designate an administrator(s) knowledgeable in the

## **DAKOTA CREEK INDUSTRIES, INC.**

process of apprenticeship and/or the application of chapter 49.04 RCW and chapter 296-05 WAC and these standards.

The designated administrator(s) for this program is/are as follows:

**None**

### **XII. SUBCOMMITTEE:**

Subcommittee(s) approved by the Department, represented equally from management and non-management, may also be established under these standards, and are subject to the main committee. All actions of the subcommittee(s) must be reviewed by the main committee. Subcommittees authorized to upgrade apprentices and/or conduct disciplinary actions must be structured according to the same requirements for main committees.

#### **Machinery Assembler Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Jordan Hansen  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**The employee representatives shall be:**

**Aaron Watts, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Josh Otis  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

#### **Marine Electrician Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Rene Tijerina  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**The employee representatives shall be:**

**Jack Meyer, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA 98221**

**Wayne Garlick  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**DAKOTA CREEK INDUSTRIES, INC.**

**Marine Painter Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Mark Van Luven  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**The employee representatives shall be:**

**Dan Widden, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Ethan Mathews  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Marine Pipefitter Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Deven Hall  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**The employee representatives shall be:**

**Tommy Brown, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Aaron Miller  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Production Welder Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Jake Massey  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**DAKOTA CREEK INDUSTRIES, INC.**

**The employee representatives shall be:**

**John Espinoza, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Jorge Jimenez  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Shipfitter/Fabricator Sub-Committee:**

**The employer representatives shall be:**

**Mike Johnson, Chairperson  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**Aaron Greening  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**The employee representatives shall be:**

**Jerry Sanchez, Secretary  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**James Dalling  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**

**XIII. TRAINING DIRECTOR/COORDINATOR:**

The sponsor may employ a person(s) as a full or part-time training coordinator(s)/ training director(s). This person(s) will assume responsibilities and authority for the operation of the program as are delegated by the sponsor.

**Carrie King  
Training Coordinator  
820 4<sup>th</sup> Street  
Anacortes, WA. 98221**





*Received 8/26/2020 Bellingham - GWP*

*Teri Gardner 8-26-2020*



# Dakota Creek Industries Inc.

Mailing: P.O. Box 218, Anacortes, WA 98221

Telephone: (360)293-9575

Street: 820 Fourth St, Anacortes, WA 98221

Fax: (360)293-6432

Email: [info@dakotacreek.com](mailto:info@dakotacreek.com)

August 25, 2020

To Whom It May Concern,

Please be advised that Dakota Creek Industries, Inc. has asked the employees of the six trades we wish to apprentice, to meet to ascertain who would be willing to serve on the subcommittees for the DCI Apprenticeship committee. The following committees were informally voted on by each trade in order to make the selections for the apprenticeship program.

## MAIN COMMITTEE

In regard to the Main Committee, the yard employees met and discussed who would be good employee representation for the DCI Apprentice program and decided that the following members would be very esteemed to serve:

Jack Meyer, Secretary  
Jerry Sanchez

These members have been long time employees of the shipyard and work with all of the respective trades. They are well respected and have a fundamental perspective of the trades, the employees and the skill set of the various trades.

Jack Meyer was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## MACHINERY ASSEMBLER SUB-COMMITTEE

In regard to the Machinery Assembler Sub-committee, the department discussed who would be a good representation for the DCI Apprentice program and decided that the following members would be very esteemed to serve:

Aaron Watts, Secretary  
Josh Otis



# Dakota Creek Industries Inc.

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Email: [info@dakotacreek.com](mailto:info@dakotacreek.com)

These members have been long time employees of the shipyard and work in the machinery assembler trade. They are well respected and have a fundamental perspective of the trade, the departmental employees and the skill set needed to excel as a machinery assembler apprentice representative.

Aaron Watts was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## MARINE ELECTRICIAN SUB-COMMITTEE

In regard to the Marine Electrician Sub-committee, the department discussed who would be a good representation for the DCI Apprentice program and decided that the following members would be very esteemed to serve:

Jack Meyer, Secretary  
Wayne Garlick

These members have been long time employees of the shipyard and work with all of the respective electricians. They are well respected and have a fundamental perspective of the department, the employees and the skill set needed to excel as a marine electrician apprentice representative.

Jack Meyer was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## MARINE PAINTER SUBCOMMITTEE

In regard to the Marine Painter Sub-committee, the department discussed who would be a good representation for the DCI Apprentice program and decided that the following members would be very esteemed to serve:

Dan Widden, Secretary  
Ethan Mathews



# Dakota Creek Industries Inc.

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Street: 820 Fourth St, Anacortes, WA 98221

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Fax: (360)293-6432

Email: [info@dakotacreek.com](mailto:info@dakotacreek.com)

These members have been long time employees of the shipyard and work with all of the respective painters. They are well respected and have a fundamental perspective of the department, the employees and the skill set needed to excel as a marine painter apprentice representative.

Dan Widden was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## MARINE PIPEFITTER SUBCOMMITTEE

In regard to the Marine Pipefitter Sub-committee, the department discussed who would be a good representation for the Apprentice program and decided that the following members would be very esteemed to serve:

Tommy Brown, Secretary  
Aaron Miller

These members have been long time employees of the shipyard and work with all of the respective pipefitters. They are well respected and have a fundamental perspective of the department, the employees and the skill set needed to excel as a marine pipefitter apprentice representative.

Tommy Brown was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## PRODUCTION WELDER SUBCOMMITTEE

In regard to the Production Welder Sub-committee, the department discussed who would be a good representation for the Apprentice program and decided that the following members would be very esteemed to serve:

John Espinoza, Secretary  
Jorge Jimenez

These members have been long time employees of the shipyard and work with all of the respective welders. They are well respected and have a fundamental perspective of the department, the employees and the skill set needed to excel as a production welder apprentice representative.



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Street: 820 Fourth St, Anacortes, WA 98221

Fax: (360)293-6432

Email: [info@dakotacreek.com](mailto:info@dakotacreek.com)

John Espinoza was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.

## SHIPFITTER – FABRICATOR SUBCOMMITTEE

In regard to the Shipfitter-Fabricator Sub-committee, the department discussed who would be a good representation for the Apprentice program and decided that the following members would be very esteemed to serve:

Jerry Sanchez, Secretary

James Dalling

These members have been long time employees of the shipyard and work with all of the respective Shipfitter-Fabricator employees. They are well respected and have a fundamental perspective of the department, the employees and the skill set needed to excel as a Shipfitter-Fabricator apprentice representative.

Jerry Sanchez was nominated within the employee committee group to be Secretary and he was willing to take on this responsibility.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.	<i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Michael Johnson - Chairperson

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From                      To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD


Sponsors may attach additional pages if necessary.



*Received 8/26/2020 Bellingham - JWP*  
**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

<b>NAME OF PROGRAM/SPONSOR:</b>	Dakota Creek Industries, Inc.
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Committee Representative Name:  
Casey Gustafson

**WORK EXPERIENCE**

<b>POSITION (Most recent first)</b>	<b>EMPLOYER / ORGANIZATION</b>	<b>FROM: (Month &amp; Year)</b>	<b>TO: (Month &amp; Year)</b>
Material Handling	Dakota Creek	06/92	current

**EDUCATION HISTORY**

<b>Name and Location of Training and/or School</b>	<b>Month/Year Attended</b>		<b>Program of Study</b>	<b>Type of Certificate or Degree Awarded, if any</b>
	<b>From</b>	<b>To</b>		
Skagit Valley College	1991	1991	Welding Refresher	N/A
St. Paul MN Job Corp	1986	1987	Welding	N/A
N/A New Richard High School	1979	1983		Diploma

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**


Sponsors may attach additional pages if necessary.



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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

<b>NAME OF PROGRAM/SPONSOR:</b>	Dakota Creek Industries, Inc.
---------------------------------	-------------------------------

Committee Representative Name:  
Jack Meyer - Secretary

**WORK EXPERIENCE**

<b>POSITION (Most recent first)</b>	<b>EMPLOYER / ORGANIZATION</b>	<b>FROM: (Month &amp; Year)</b>	<b>TO: (Month &amp; Year)</b>
Marine Electrician	Dakota Creek	12/14	current
Finance Officer	American Legion	12/11	11/14
Financial Advisor	Edward Jones	2009	2011
Electronics Technician	U.S. Navy	1983	2008

**EDUCATION HISTORY**

<b>Name and Location of Training and/or School</b>	<b>Month/Year Attended</b>		<b>Program of Study</b>	<b>Type of Certificate or Degree Awarded, if any</b>
	<b>From</b>	<b>To</b>		
U.S. Navy Electrical Engineering School	02/88	11/88	Advanced Electronic Theory	Graduate
U.S. Navy Electronic Equipment School	06/84	12/84	Radio Telecommunication Radar and Computer Training	Graduate
U.S. Navy Electronics School	07/83	05/84	Basic-Advanced Electronics Theory	Graduate

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**


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Sponsors may attach additional pages if necessary.



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Department of Labor and Industries  
Apprenticeship Section  
PO Box 44530  
Olympia WA 98504-4530



## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Jerry Sanchez
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Shipfitter	Dakota Creek	2008	current
Buckshop/Welder	Janicki International	2006	2008
Car Detail/Oil Change	Sims Honda	2003	2006

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended		Program of Study	Type of Certificate or Degree Awarded, if any
	From	To		
Mount Vernon High School	2004	2006	High School Diploma	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.



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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.	<i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Aaron Miller

**WORK EXPERIENCE**

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Pipefitter	Dakota Creek	02/09	current

**EDUCATION HISTORY**

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Waterville, ME High School	1999	2002	High School	Diploma

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**

Steel Pipe with Stick
Steel Pipe with MIG
Copper Nickel
Seam Welding Certificate for Structure

Sponsors may attach additional pages if necessary.

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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

Department of Labor and Industries  
Apprenticeship Section  
PO Box 44530  
Olympia WA 98504-4530



NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Deven Hall
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Pipe Foreman	Dakota Creek	2005	current

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended		Program of Study	Type of Certificate or Degree Awarded, if any
	From	To		
Anacortes High School	2002	2005	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name:  
Michael Johnson - Chairperson

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD


Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name:  
Tommy Brown - Secretary

WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Pipefitter	Dakota Creek	11/08	current

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended		Program of Study	Type of Certificate or Degree Awarded, if any
	From	To		
Lakewood High School	2005	2008	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.



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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.	<i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Dan Widden - Secretary

**WORK EXPERIENCE**

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Journeyman Painter	Dakota Creek	12/13	current
Master Tech	Master Marine	2007	2013

**EDUCATION HISTORY**

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Marine Tech Institute	2007	2009	Marine Tech	AA
Sedro Woolley High School	2003	2007	High School	Diploma

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**

Lead Training

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Ethan Mathews
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Journeyman Painter	Dakota Creek	2014	current
Insulator	TIMEC	2013	2014
Industrial Painter	Duken & Bush	2012	2013
Maintenance	Fidalgo Bay Resort	2009	2012

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Oak Harbor High School	2005	2009	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	
OSHA 10	
DCI Safety Committee Lead Training	

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name:  
Mark Van Luven

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Journeyman Painter Lead	Dakota Creek	08/13	current
Bodyman & Painter	Jerry Smith Chevrolet	01/07	07/13
Framer/Builder	Woodenville Construction	09/06	01/07
Mechanic	Jerry Smith Kia	06/06	09/06

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Wyoming Tech Institute	07/05	06/06	Custom & Performance Fabrication	Certificate
Anacortes High School	07/05	06/06	High School	Diploma

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

Aluminum and Steel Welding, structural and non-structural, brazing, I-CAR

Paint Certifications

Shipyard Competent Person, Confined Space Rescue Team, OSHA 10, Emergency Response Team, Lead Trained, Fire Rescue Training



Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name:  
Michael Johnson - Chairperson

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD


Sponsors may attach additional pages if necessary.



*Received 8/26/2020 Bellingham - JWP*  
**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc. <i>Teri Gardner 8-26-2020</i>
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Committee Representative Name: Aaron Greening
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Shipfitter	Dakota Creek	05/14	current
Install Trainer	Simmons	07/11	05/14
Welder	Blue Diamond	2010	2010
Maintenance	Matrix	2009	2009

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Skagit Valley College	2001	2002	Criminal Justice, Math	n/a
Stanwood High School	1997	2000	High School Diploma	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: James Dalling
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Shipfitter	Dakota Creek	06/14	current
Foreman/Welder/Fitter	Tanco Engineering	06/02	06/14

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended		Program of Study	Type of Certificate or Degree Awarded, if any
	From	To		
Solang College	2001	2002	Criminal Justice, Math	n/a
Country High School	1997	1998	High School Diploma	Diploma
Vacaville High School	1995	1997	High School	

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name: Jerry Sanchez - Secretary
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Shipfitter	Dakota Creek	2008	current
Buckshop/Welder	Janicki International	2006	2008
Car Detail/Oil Change	Sims Honda	2003	2006

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Mount Vernon High School	2004	2006	High School Diploma	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Michael Johnson - Chairperson
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.



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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.	<i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Jake Massey

**WORK EXPERIENCE**

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Weld Lead	Dakota Creek	12/19	current
Welder	Dakota Creek	09/13	12/19
Fitter/TIG Welder	Sound Ocean Metal Fabrication	04/13	09/13
Shop-Teacher Assistant	Skagit Valley College	04/12	09/12
Fitter/Welder	Tanco Engineering	04/12	09/12
Plant Manager	Clearsnap Inc.	07/97	02/10

**EDUCATION HISTORY**

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Skagit Valley College	06/11	06/13	Welding Technologies	ATA Welding AA
Sedro Woolley High School	09/93	06/97	High School	Diploma

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**

WABO Certified (SMAW-FCAW) - Welding
Industrial First Aid
Manufacturing Foundations Certified
C-Stop Safety
TWIC

Sponsors may attach additional pages if necessary.





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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: John Espinoza - Secretary
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Welder	Dakota Creek	04/08	current

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Skagit Valley College	05/05	05/07	Welding Tech	All Weld Test Steel, Stainless, Aluminum
Project 19 G.E.D. El Paso, TX		03/95	G.E.D	Certificate

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD
Steel, Aluminum, Stainless Certified

Sponsors may attach additional pages if necessary.

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name: Jorge Jimenez
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Welder	Dakota Creek	05/12	current
Welder	Nichols Brother Boat Builders	04/11	04/12

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Skagit Valley College	09/09	04/11	Welding Tech	AA
Mount Vernon High School	09/04	06/08	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD
TWIC Card, WABO Certified

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name: Michael Johnson - Chairperson
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.	<i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Aaron Watts - Secretary

WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Machinist	Dakota Creek	06/17	current
Construction Labor	Pacific Party Canopies	2012	06/17
Warehouse Merchandiser	Best Buy	2012	06/17

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Skagit Valley CC	2012	2014	Transfer Degree ( AA)	n/a
Burlington - Edison High School	2008	2012	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.



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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Jordan Hansen
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Machinist	Dakota Creek	06/18	current
Machinist	Dakota Creek	2016	2018
Welder	Dakota Creek	2013	2016

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Stanwood High School	2008	2012	High School Diploma	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Josh Otis
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Machinist	Dakota Creek	2018	current
Welder	Dakota Creek	09/14	08/18
Welder/Fitter	OSW Equipment Repair	08/13	09/14
Welder/Driller	U.S Energy & Water Drilling	05/11	12/17

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Everett Comm. College	05/13	08/13	Blueprint/Tigweld	Tig Certificate
Divers Institute of Tech	2003	2004	ADC Diver Certificate	Certificate
Bellingham Tech		2002	Welding Theory Application	N/A
Skagit Valley College		2002	GED	Certificate

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name: Michael Johnson - Chairperson
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	

Sponsors may attach additional pages if necessary.





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**Apprenticeship Committee Representative  
Qualification Information  
Experience & Education History**

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc. <i>Teri Gardner 8-26-2020</i>
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Committee Representative Name:  
Jack Meyer - Secretary

**WORK EXPERIENCE**

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Marine Electrician	Dakota Creek	12/14	current
Finance Officer	American Legion	12/11	11/14
Financial Advisor	Edward Jones	2009	2011
Electronics Technician	U.S. Navy	1983	2008

**EDUCATION HISTORY**

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
U.S. Navy Electrical Engineering School	02/88	11/88	Advanced Electronic Theory	Graduate
U.S. Navy Electronic Equipment School	06/84	12/84	Radio Telecommunication Radar and Computer Training	Graduate
U.S. Navy Electronics School	07/83	05/84	Basic-Advanced Electronics Theory	Graduate

**OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD**


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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
--------------------------	-------------------------------

Committee Representative Name:  
Michael Johnson - Chairperson

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Purchasing Manager	Dakota Creek	02/08	current
Stockroom Manager	Dakota Creek	01/07	02/08
Machinist	Dakota Creek	01/02	01/07
Teacher	Mount Vernon School District	09/00	01/02
Machinist	Dakota Creek	01/94	09/00

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
Eastern Washington University	09/83	06/88	Education	BA

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD


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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name:  
Rene Tijerina

### WORK EXPERIENCE

POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Marine Electrician	Dakota Creek	02/09	current
Draper Valley Farms	Facility Maintenance Electrician	02/02	11/14
Pyro Industries	Facility Maintenance Electrician	1992	2002

### EDUCATION HISTORY

Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
San Antonio Trade School	01/90	06/90	Electrical House Wiring	Certification
St Phillips College	01/87	12/87	Aircraft Sheetmetal Technician	Certification
Marine Corp.	1981	1985	Heavy Vehicle Operator	Certification
O.W. Holmes High School	1977	1981	Electrical Housewiring	Diploma

### OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD


Sponsors may attach additional pages if necessary.

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## Apprenticeship Committee Representative Qualification Information Experience & Education History

NAME OF PROGRAM/SPONSOR:	Dakota Creek Industries, Inc.
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Committee Representative Name: Wayne Garlick
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WORK EXPERIENCE			
POSITION (Most recent first)	EMPLOYER / ORGANIZATION	FROM: (Month & Year)	TO: (Month & Year)
Marine Electrician	Dakota Creek	02/08	current
Marine Electrician	Nichols Brother Boat Builders	07/06	10/07

EDUCATION HISTORY				
Name and Location of Training and/or School	Month/Year Attended From To		Program of Study	Type of Certificate or Degree Awarded, if any
U.S. Navy	11/81	09/06	Bosun	
Umatilla High School	1974	1981	High School	Diploma

OTHER TECHNICAL CERTIFICATIONS or LICENSES HELD	
Rapid Radar Plotting, Vallejo Maritime Academy	
TNG Master, San Francisco	

Sponsors may attach additional pages if necessary.

**Apprenticeship Related/Supplemental Instruction (RSI) Plan Review**

Program Sponsor Dakota Creek Industries, Inc.		<i>Teri Gardner 8-26-2020</i>	
Skilled Occupational Objective Marine Electrician			
Term/OJT Hours 6000 Hours	Total RSI Hours 648		
Training Provider Dakota Creek Industries, Inc.			

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

*Carrie King*

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

*Carrie King*

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

Click or tap here to enter text.

Print Name Training Provider

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Title of Training Provider

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Title of Training Provider

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Print Name Training Provider

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Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

Signature of Training Provider

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Organization of Training Provider

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Organization of Training Provider

Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Marine Electrician
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - Electrical Tool Fundamentals - MT 110	Planned Hours: 22
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to proper tool selection and operations for marine technicians. Topics include advanced electrical investigations, additional multi-meter operations, creating new dash arrangements with plastic laminate installation, and many other industry recognized tool skillsets.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	



Element/Course: 1 <sup>st</sup> Year - Marine Electrical Systems I - MT 132	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic AC (Alternating Current) and DC (Direct Current) electrical systems as found on recreational and small commercial vessels. Installation and troubleshooting of engine operation systems for charging and starting, DC (Direct Current) house systems for lights, pumps, and multi-state voltage regulation. Includes proper multi-meter use and electrical safety.	
Element/Course: 1 <sup>st</sup> Year - Beginner Blueprint Reading 101	Planned Hours: 18
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to the fundamentals of blueprint reading emphasizing industrial drawings commonly used in manufacturing. Review symbol conventions and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME (American Society of Mechanical Engineers) standard techniques, as a form of communication. Students read, interpret and describe drawings.	

Element/Course: 2 <sup>nd</sup> Year - Advanced Blueprint Reading 201	Planned Hours: 23
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Instruction on the blueprint design process; how codes, specifications and standards are used and how to navigate through them as they relate to blueprints. Common material shapes and how to use tables for material dimensions, weight, and orientation in assemblies. Deeper understanding of symbols for ship structure and nomenclature. Abbreviations used on drawings, graphic symbols for electrical and electronic diagrams including wiring symbols and electronic reference designation. General notes, legends, drawing number organization, scale blocks, meaning of lines, plan views, architectural drawings, elevations, plan section details, plan legends and material schedules will be covered. Instruction on preliminary plans, contract plans, contract guidance plans, standard plans, type plans, working plans, corrected plans, onboard plans and the difference between them all. Brief overview of CAD and viewing plans in CAD.	

  

Element/Course: 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	

  

Element/Course: 2 <sup>nd</sup> Year - Marine Electrical Systems II - MT 133	Planned Hours: 77
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Marine AC (Alternating Current) electrical systems, shore power systems, inverter systems, wind and solar charging systems, gen-sets and marine corrosion issues. Preparation for ABYC (American Boat and Yacht Council) Marine Electrical Technician Certification. Marine AC (Alternating Current) electrical systems, sizing of battery banks, inverter systems, wind and solar charging systems, gen-sets and galvanic corrosion.	

  

Element/Course: 2nd Year - Marine Electronics - MT 230	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Includes National Marine Manufacturers Association guidelines and familiarization with actual equipment operation of electronic devices for navigation and communication with installation interfacing and operation. Preparation for NMEA (National Marine Electronics Association) Basic Marine Installer certification.	

  

Element/Course: 2nd Year - Electrical Safety 201	Planned Hours: 28
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: The basics of electricity and electrical safety, common electrical hazards, OSHA's safe work practices for electrical safety, circuit protection devices, ground fault circuit interrupters (GFCI), equipment design, personal protective equipment (PPE), isolation and control of hazardous energy (COHE) strategies for electricity, including guarding of live parts, grounding, and more energy control devices and programs, best practices for identifying and securing electrical energy sources, the importance of lockout/tagout procedures, and identifying a zero-energy state.	

Element/Course: 3 <sup>rd</sup> Year - English Composition I - ENGL 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	

Element/Course: 3 <sup>rd</sup> Year - Marine Electrical Systems III - MT 134	Planned Hours: 66
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Advanced electrical systems including marine corrosion, advanced battery technologies, hybrid boat power systems, distributed power systems, and modern electrical control systems. Preparation for ABYC (American Boat and Yacht Council) corrosion certificate.	

Element/Course: 3 <sup>rd</sup> Year - Marine Electronics II - MT 236	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Covers National Marine Manufacturers Association guidelines. Includes familiarization with equipment operation of electronic devices for navigation and communication with installation interfacing and operation. Preparation for NMEA (National Marine Electronics Association) 2000 certification.	

Element/Course: 3 <sup>rd</sup> Year - Marine Electrical Safety 301	Planned Hours: 62
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Y & Delta System Advanced Electronics Equipment grounding and bonding -Safe work practices -Electrical hazard prevention and recognition -Controlling hazards -Hazard/Risk evaluation -Electrical fire response and prevention -Safely connect/disconnect 208VAC and 480VAC -Multiple sources of power recognition and isolation -Working on or near live circuits	

# Apprenticeship Related/Supplemental Instruction (RSI) Plan Review

Program Sponsor Dakota Creek Industries, Inc.		<i>Teri Gardner 8-26-2020</i>
Skilled Occupational Objective Marine Painter		
Term/OJT Hours 6000 Hours	Total RSI Hours 648	
Training Provider Dakota Creek Industries, Inc.		

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

*Carrie King*

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

*Carrie King*

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval

☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

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Title of Training Provider

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Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

Signature of Training Provider

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Organization of Training Provider

Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Marine Painter
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - Paint Tool Fundamentals 101	Planned Hours: 22
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to proper tool selection and operations for marine technicians. Topics include advanced electrical investigations, additional multi-meter operations, creating new dash arrangements with plastic laminate installation, and many other industry recognized tool skillsets.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	

Element/Course: 1 <sup>st</sup> Year - Painting 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to paint preparation and coatings. Basic training on all SSPC standards, applications, and specifications. This includes practical math formulas, theoretical coverage, abbreviations, and basic chemistry.	

Element/Course: 1 <sup>st</sup> Year - Beginner Blueprint Reading 101	Planned Hours: 18
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to the fundamentals of blueprint reading emphasizing industrial drawings commonly used in manufacturing. Review symbol conventions, square footage calculations, and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME (American Society Mechanical Engineers) standard techniques, as a form of communication. Students read, interpret and describe drawings.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Advanced Blueprint Reading 201	<b>Planned Hours:</b> 23
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Instruction on the blueprint design process; how codes, specifications and standards are used and how to navigate through them as they relate to blueprints. Common material shapes and how to use tables for material dimensions, weight, and orientation in assemblies. Deeper understanding of symbols for ship structure and nomenclature. Abbreviations used on drawings, graphic symbols for electrical and electronic diagrams including wiring symbols and electronic reference designation. General notes, legends, drawing number organization, scale blocks, meaning of lines, plan views, architectural drawings, elevations, plan section details, plan legends and material schedules will be covered. Instruction on preliminary plans, contract plans, contract guidance plans, standard plans, type plans, working plans, corrected plans, onboard plans and the difference between them all. Brief overview of CAD (Computer Aided Design) and viewing plans in CAD.	

  

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	<b>Planned Hours:</b> 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	

  

<b>Element/Course:</b> 2nd Year - Painting 201	<b>Planned Hours:</b> 80
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Advanced paint instrumentation instruction. Environmental and wet DFT, dry DFT, soluble salts and documentation. In depth instruction of the SSPC (Society for Protective Coatings) standards.	

  

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Beginner Coatings 201	<b>Planned Hours:</b> 20
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Introduction to paint preparation and coatings. Square footage calculations training.	

  

<b>Element/Course:</b> 2nd Year - Marine Painter Safety	<b>Planned Hours:</b> 10
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Confined spaces, fresh air, respirator instruction and specialized PPE for painters.	

  

<b>Element/Course:</b> 2nd Year - Paint Applications & Sandblasting	<b>Planned Hours:</b> 28
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Training on proper brush, roll, and sprayer techniques. Instruction on sandblast application with sandblast education safety, various surfaces, job set up and safety.	



Element/Course: 3 <sup>rd</sup> Year - English Composition I - ENGL 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	

Element/Course: 3rd Year - Understanding Multi-Coat Paint Systems	Planned Hours: 30
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction on multi-coat paint systems, pigmented coatings, primers with UV absorbers and topcoats. Training on effect of salt and waterline on coatings. Basic metallurgy. Proper coating selection for different substrates. Reading and understanding of Paint Specifications from Manufacturers	

Element/Course: 3rd Year - Equipment Protection	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Training on equipment protection and coverings.	

Element/Course: 3rd Year - Scaffolding Safety & Shrouding Basics	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to scaffolding and vertical shrouding needed to meet industry safety standards. Assessment training for varying worksite and weather conditions. Ground containment measures and collection of falling paint debris.	

Element/Course: 3rd Year - Spray Techniques	Planned Hours: 32
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: In depth training on airless and conventional spray techniques, equipment and observing the precautions necessary to operate the equipment safely.	

Element/Course: 3rd Year - Advanced Sandblasting	Planned Hours: 15
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Sandblasting safe job setup, understanding and selecting the various grits and their applications along with what profile they will provide.	

Element/Course: 3rd Year - Paint Pump Training	Planned Hours: 5
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Proper paint pump setup and cleanup.	

Element/Course: 3rd Year - Understanding Multi-Coat Paint Systems	Planned Hours: 25
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Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction on multi-coat paint systems, pigmented coatings, primers with UV absorbers and topcoats. Training on effect of salt and waterline on coatings. Basic metallurgy. Proper coating selection for different substrates.	

Element/Course:    3rd Year - Marine Paint QA & QC	Planned Hours:    15
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Training on quality assurance and quality control, inspection, and documentation. Final project assessment and handoff to customer.	

Element/Course:    3rd Year - Basic Paint Estimating and Job Costs	Planned Hours:    15
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Training in estimating of surface area, understanding theoretical coverage vs. actual coverage, prep costs, labor costs, material costs, conditions found, overhead costs, adjustments, estimating unit prices, subcontract costs, owner allowances, spillage, material handling, supervision, scaffolding, insurance, miscellaneous costs and calculating percentage of solids in paint in regards to drying.	

**Apprenticeship Related/Supplemental Instruction (RSI) Plan Review**

Program Sponsor Dakota Creek Industries, Inc.		<i>Teri Gardner 8-26-2020</i>	
Skilled Occupational Objective Shipfitter/Fabricator			
Term/OJT Hours 6000 Hours		Total RSI Hours 648	
Training Provider Dakota Creek Industries, Inc.			

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

*Carrie King*

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

*Carrie King*

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider

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Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

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Organization of Training Provider

Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Shipfitter/Fabricator
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - Mechanical Tool Fundamentals MT 112	Planned Hours: 22
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to proper tool selection and operations for marine technicians. Topics include advanced electrical investigations, additional multi-meter operations, creating new dash arrangements with plastic laminate installation, and many other industry recognized tool skillsets.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	

Element/Course: 1 <sup>st</sup> Year - Shipfitter 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to part assembly, basic assembly welding, basic pipefitting, hanger installation, grinding, metallurgy, production efficiency and vessel terminology. Training on crane visual signals.	

Element/Course: 1 <sup>st</sup> Year - Beginner Blueprint Reading 101	Planned Hours: 18
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to the fundamentals of blueprint reading emphasizing industrial drawings commonly used in manufacturing. Review symbol conventions, square footage calculations, and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME (American Society Mechanical Engineers) standard techniques, as a form of communication. Students read, interpret and describe drawings.	

Element/Course: 2 <sup>nd</sup> Year - Advanced Blueprint Reading 201	Planned Hours: 23
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Instruction on the blueprint design process; how codes, specifications and standards are used and how to navigate through them as they relate to blueprints. Common material shapes and how to use tables for material dimensions, weight, and orientation in assemblies. Deeper understanding of symbols for ship structure and nomenclature. Abbreviations used on drawings, graphic symbols for electrical and electronic diagrams including wiring symbols and electronic reference designation. General notes, legends, drawing number organization, scale blocks, meaning of lines, plan views, architectural drawings, elevations, plan section details, plan legends and material schedules will be covered. Instruction on preliminary plans, contract plans, contract guidance plans, standard plans, type plans, working plans, corrected plans, onboard plans and the difference between them all. Brief overview of CAD (Computer Aided Design) and viewing plans in CAD.	
Element/Course: 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	
Element/Course: 2 <sup>nd</sup> Year - Rigging - MT 106	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Includes types of rigs, conversion or modifications of rigging. Proper tuning of rigging as well as selection of materials and approved installation methods for standing and running rigging. Includes how to rig, lift, and secure marine equipment for installation and removal.	
Element/Course: 2 <sup>nd</sup> Year - Mechanical Tool Fundamentals - MT 112	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to proper tool selection and procedures for marine mechanics. Topics include precision measurements, fastener torqueing, drilling, and tapping, removing stuck fasteners, and basic metal fabrication techniques. Emphasis on safe tool use practices and correct tool selection for a job.	
Element/Course: 2 <sup>nd</sup> Year - Shipfitter Safety	Planned Hours: 50
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Confined spaces, fresh air, respirator instruction and specialized PPE (Personal Protection Equipment) for shipfitters. Training for safe rigging, below the hook safety, fall protection, and harness safety.	

Element/Course: 3 <sup>rd</sup> Year - English Composition I - ENGL 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	

Element/Course: 3rd Year - Lofting	Planned Hours: 30
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Training in layout of grid, baseline, offsets, and use of Pythagorean theorem.	

Element/Course: 3rd Year - Advanced Shipfitting/Fabricating	Planned Hours: 50
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Training on machinist scales, rules, inside, outside and depth micrometers, micrometers, and calipers. Proper use of hand and handheld power tools. Hand and power tool safety. Material handling equipment; chainfalls, come-along's, slings, straps, shackles, and regulatory requirements.	

Element/Course: 3rd Year - Welding	Planned Hours: 36
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Students will learn about the properties of metal, their classification and how to use tools to prepare it for welding. Will introduce students to the different methods of welding pipe and tube using multiple types of metal transfer. Students will learn the welding positions used, from horizontal rolling to stationary or vertical, along with how to use the correct tools and equipment for cutting and beveling of joints during assembly. Students will use their previously learned blueprinting and project planning skills and metal transfer equipment to fabricate specific projects. During this course the student will be able to demonstrate their ability to perform multiple weld types in all positions.	

Element/Course: 3rd Year - Shipfitting 301	Planned Hours: 45
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: ABS (American Bureau of Shipping) Structure rules, prep material before it is fit, softening, fitting modules, using construction levels and transits, metallurgy, advanced layout and forming.	



Received 8/26/2020 Bellingham - GWP Received 9/10/2020 Bellingham - GWP

## Apprenticeship Related/Supplemental Instruction (RSI) Plan Review

Program Sponsor Dakota Creek Industries, Inc.		Teri Gardner 9-10-2020
Skilled Occupational Objective Machinery Assembler		Teri Gardner 8-26-2020
Term/OJT Hours 6000 Hours	Total RSI Hours 648	
Training Provider Dakota Creek Industries, Inc.		

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

Carrie King

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

Carrie King

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval

☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider

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Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

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Organization of Training Provider

Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Machinery Assembler
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - Mechanical Tool Fundamentals MT 112	Planned Hours: 22
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to proper tool selection and operations for marine technicians. Topics include advanced electrical investigations, additional multi-meter operations, creating new dash arrangements with plastic laminate installation, and many other industry recognized tool skillsets.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	

Element/Course: 1 <sup>st</sup> Year - Machinery Assembler 101	Planned Hours: 35
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to part assembly, basic assembly welding, basic pipefitting, hanger installation, grinding, metallurgy, production efficiency and vessel terminology.	

Element/Course: 1 <sup>st</sup> Year - Beginner Blueprint Reading 101	Planned Hours: 38
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Introduction to the fundamentals of blueprint reading emphasizing drawings commonly used in marine machining. Review symbol conventions, square footage calculations, and visualization of solid objects from orthographic and isometric projections, the interpretation of technical drawings, and the skills required in print reading applying basic ASME (American Society of Mechanical Engineers) standard techniques, as a form of communication. Students read, interpret and describe drawings.	

Element/Course: 2nd Year - Machinist Safety	Planned Hours: 20
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Confined spaces, fresh air, respirator instruction and specialized PPE (Personal Protective Equipment) for machinery assemblers. Training for safe rigging, below the hook safety, fall protection, and harness safety.	

Element/Course: 2 <sup>nd</sup> Year - Machinist Advanced Blueprint Reading 201	Planned Hours: 20
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Instruction on the machinist related blueprint design process; how codes, specifications and standards are used to navigate through them as they relate to blueprints. Common material shapes and how to use tables for material dimensions, weight, and orientation in assemblies. Deeper understanding of symbols for ship structure and nomenclature. Abbreviations used on drawings, graphic symbols for electrical and electronic diagrams including wiring symbols and electronic reference designation. General notes, legends, drawing number organization, scale blocks, meaning of lines, plan views, architectural drawings, elevations, plan section details, plan legends and material schedules will be covered. Instruction on preliminary plans, contract plans, contract guidance plans, standard plans, type plans, working plans, corrected plans, onboard plans and the difference between them all. Brief overview of CAD (Computer Aided Design).	

  

Element/Course: 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	

  

Element/Course: 2 <sup>nd</sup> Year - Rigging - MT 106	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Includes types of rigs, conversion or modifications of rigging. Proper tuning of rigging as well as selection of materials and approved installation methods for standing and running rigging. Includes how to rig, lift, and secure marine equipment for installation and removal.	

  

Element/Course: 2 <sup>nd</sup> Year - Marine Engine Systems I - MT 160	Planned Hours: 66
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to inboard gas and diesel engines in recreational and small commercial marine vessels. Includes theory, operation, maintenance, repair, and troubleshooting techniques of traditional and modern marine engine systems. Utilizes industry standards and recommended practices as promoted by the American Boat and Yacht Council (ABYC). Preparation for passing the ABYC Marine Gasoline and/or Marine Diesel engine certifications examination is stressed.	

Element/Course: 3 <sup>rd</sup> Year - English Composition I - ENGL 101	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	

Element/Course: 3rd Year - Marine Engine Systems II _ MT 163	Planned Hours: 66
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Focuses on modern inboard engine technology and advanced troubleshooting and service techniques. Includes modern engine fueling and breathing innovations, electronic engine control and monitoring, diagnostic tools and software, engine emission regulations, vessel repowers, and mechanical surveys.	

Element/Course: 3rd Year - Marine Hydraulic Systems	Planned Hours: 77
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Students will learn about the properties of metal, their classification and how to use tools to prepare it for welding. Will introduce students to the different methods of welding pipe and tube using multiple types of metal transfer. Students will learn the welding positions used, from horizontal rolling to stationary or vertical, along with how to use the correct tools and equipment for cutting and beveling of joints during assembly. Students will use their previously learned blueprinting and project planning skills and metal transfer equipment to fabricate specific projects. During this course the student will be able to demonstrate their ability to perform multiple weld types in all positions.	

Element/Course: 3rd Year - Shipfitting 301	Planned Hours: 18
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: ABS (American Bureau of Shipping) Structure rules, prep material before it is fit, softening, fitting modules, using construction levels and transits, metallurgy, advanced layout and forming.	

## Apprenticeship Related/Supplemental Instruction (RSI) Plan Review

Program Sponsor Dakota Creek Industries, Inc.		<i>Teri Gardner 9-10-2020</i>
Skilled Occupational Objective Marine Pipefitter		<i>Teri Gardner 8-26-2020</i>
Term/OJT Hours 6000 Hours	Total RSI Hours 648	
Training Provider Dakota Creek Industries, Inc.		

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

*Carrie King*

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

*Carrie King*

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval

☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider

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Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

Signature of Training Provider

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Organization of Training Provider



Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Marine Pipefitter
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	

Element/Course: 1 <sup>st</sup> Year - Intro to Shielded Metal Arc Welding – WT 111	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to part assembly, basic assembly welding, basic pipefitting, hanger installation, grinding, metallurgy, production efficiency and vessel terminology.	

Element/Course: 1st Year - Pipefitter Safety	Planned Hours: 40
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Confined spaces, fresh air, respirator instruction and specialized PPE (Personal Protection Equipment) for pipefitters. Training for safe rigging, below the hook safety, fall protection, and harness safety and crane visual signals.	

Element/Course: 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	Planned Hours: 40
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	

Element/Course: 2 <sup>nd</sup> Year - Hand and Power Tools WT 117	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries	
Description of element/course: Introduction to the safe and proper use of hand and power tools commonly used in the welding and fabrication trades. Covers set-up, operation, trouble-shooting, and maintenance of saws, grinders, drill press, roller, sheet metal brake, and planer.	

Element/Course: 2 <sup>nd</sup> Year - Welding Joint Design & Welding Symbols WT 118	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to the five basic Weld Joint Designs. Focuses on selecting the most appropriate joint design for a welding job. Also focuses on recognizing, reading and understanding Welding Symbols which let the welder know exactly what is needed.	

Element/Course: 2 <sup>nd</sup> Year – Introduction to Inert Gas and Aluminium Welding - WT 113	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic inert gas welding theory of operation and safety requirements. Introduction to Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW) processes and electrode selection based on the AWS electrode classification system. Includes an introduction to hands-on welding techniques in the shop setting needed.	

Element/Course: 2 <sup>nd</sup> Year – Introduction to Wirefeed Welding WT 112	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic Wirefeed Welding theory of operation and safety requirements. Covers Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) processes, shielding gas selection, and electrode selection based on the AWS electrode classification system. Safety procedures are also covered. Includes an introduction to hands-on welding techniques in the shop setting.	

Element/Course: 3 <sup>rd</sup> Year - English Composition I - ENGL 101	Planned Hours: 25
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	

Element/Course: 3rd Year - Introduction to Welding Metallurgy WT 116	Planned Hours: 25
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Metallurgical theory as it applies to the welding of ferrous and nonferrous metals. Covers properties of metals, melting and solidification, phase changes, weld bead chemistry, and heat affected zones. Effects of alloying elements and heat treatments will be investigated along with welding-induced distortion and methods for distortion control.	

Element/Course: Wirefeed Welding Applications and Certification	Planned Hours: 166
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Fillet welds on carbon steel using the semi-automatic wirefeed FCAW and GMAW processes in the flat, horizontal, vertical and overhead positions. Introduction and/or review of shop safety, metal cutting, fitting, and gouging procedures.	

## Apprenticeship Related/Supplemental Instruction (RSI) Plan Review

Program Sponsor Dakota Creek Industries, Inc.		Teri Gardner 9-10-2020
Skilled Occupational Objective Production Welder		Teri Gardner 8-26-2020
Term/OJT Hours 6000 Hours	Total RSI Hours 648	
Training Provider Dakota Creek Industries, Inc.		

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprenticeship and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliance with WISHA and applicable federal and state regulations.

Carrie King

Printed Name of Program Sponsor

Carrie King

Signature of Program Sponsor

By the signature placed below, the **training provider** assures that:

1. The RSI will be conducted by instructors who meet the qualifications of "competent instructor" as described in WAC 296-05-003.
  - a. Has demonstrated a satisfactory employment performance in his/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
  - b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
  - c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
2. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, such instruction is clearly defined.

Carrie King

Print Name Training Provider

Carrie King

Signature of Training Provider

Training Coordinator

Title of Training Provider

Dakota Creek Industries, Inc.

Organization of Training Provider

If there are additional training providers, please provide information and signatures on the next page.

**Additional Resources:** [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Glossary of Term \(F100-519-000\)](#) and [Apprenticeship Related Supplemental Instruction \(RSI\) Plan Review Criteria \(F100-521-000\)](#).

**SBCTC Program Administrator** has reviewed RSI plan and recommendations of the Trade Committee.

Click or tap here to enter text.

Print Name of SBCTC Program Administrator

Signature of SBCTC Program Administrator

Date

☐ SBCTC recommends approval

☐ SBCTC recommends return to sponsor

## Additional Training Providers (if necessary)

Kenneth Lawson

Print Name Training Provider

Vice President for Instruction

Title of Training Provider

[Click or tap here to enter text.](#)

Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider

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Print Name Training Provider

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Title of Training Provider

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Print Name Training Provider

[Click or tap here to enter text.](#)

Title of Training Provider



Signature of Training Provider

Skagit Valley College

Organization of Training Provider

Signature of Training Provider

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Organization of Training Provider

Program Sponsor: Dakota Creek Industries, Inc.	Skilled Occupational Objective: Production Welder
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**Note:** The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of element/course" field.

**Describe minimum hours of study per year in terms of (check one):**

- ☐ 12-month period from date of registration.  
☒ Defined 12-month school year.  
☐ 2,000 hours of on-the-job training.

Element/Course: 1 <sup>st</sup> Year - Marine Applied Mathematics - MT 102	Planned Hours: 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Practical course in mathematics involving whole numbers, fractions, decimals, ratios, proportions, percentages, and basic geometric constructions. Introduction to applied algebra and basic trigonometric functions. Includes practical blueprint reading.	

Element/Course: 1 <sup>st</sup> Year - Safety, Tools, & Fastenings - MT 105	Planned Hours: 44
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to a broad range of tools and fastener types and procedures and cultivate safe shop and workplace practices in the marine maintenance industry.	

Element/Course: 1 <sup>st</sup> Year - OSHA 10 Training - MT 119	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Occupational Safety and Health Administration (OSHA) training program for maritime industry training workers regarding their rights, employer responsibilities, and how to file a complaint as well as how to identify, abate, avoid, and prevent job related hazards. Included is the Washington State Department of Labor and Industries forklift certification program. Forklift training is required for all operators of a forklift which is commonly used in the marine industry.	

Element/Course: 1 <sup>st</sup> Year - First Aid/CPR - MANF 121	Planned Hours: 11
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Basic First Aid and CPR training. Receive a Heart Saver First Aid and CPR card upon completion.	

Element/Course: 1 <sup>st</sup> Year - Intro to Shielded Metal Arc Welding – WT 111	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to part assembly, basic assembly welding, basic pipefitting, hanger installation, grinding, metallurgy, production efficiency and vessel terminology.	

Element/Course: 1st Year - Welder Safety	Planned Hours: 29
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Dakota Creek Industries, Inc.	
Description of element/course: Confined spaces, fresh air, respirator instruction and specialized PPE (Personal Protection Equipment) for pipefitters. Training for safe rigging, below the hook safety, fall protection, and harness safety and crane visual signals.	
Element/Course: 1 <sup>st</sup> Year - Intro to Shielded Metal Arc Welding – WT 111	Planned Hours: 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Skagit Valley College	
Description of element/course: Introduction to part assembly, basic assembly welding, basic pipefitting, hanger installation, grinding, metallurgy, production efficiency and vessel terminology.	



<b>Element/Course:</b> 2 <sup>nd</sup> Year - Interpersonal Communication - CMST 210	<b>Planned Hours:</b> 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Skagit Valley College	
Description of element/course: Uses theory and practice to develop self-awareness, confidence, and skill in communicating effectively, building healthy relationships with others, and managing conflict. Explores the impact of self-concept, perception, language, emotions, and nonverbal behavior on communication. Employer/Employee communication skills.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Hand and Power Tools WT 117	<b>Planned Hours:</b> 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Introduction to the safe and proper use of hand and power tools commonly used in the welding and fabrication trades. Covers set-up, operation, trouble-shooting, and maintenance of saws, grinders, drill press, roller, sheet metal brake, and planer.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Welding Joint Design & Welding Symbols WT 118	<b>Planned Hours:</b> 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Skagit Valley College	
Description of element/course: Introduction to the five basic Weld Joint Designs. Focuses on selecting the most appropriate joint design for a welding job. Also focuses on recognizing, reading and understanding Welding Symbols which let the welder know exactly what is needed.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Introduction to Wirefeed Welding WT 112	<b>Planned Hours:</b> 55
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Basic Wirefeed Welding theory of operation and safety requirements. Covers Gas Metal Arc Welding (GMAW) and Flux Cored Arc Welding (FCAW) processes, shielding gas selection, and electrode selection based on the AWS electrode classification system. Safety procedures are also covered. Includes an introduction to hands-on welding techniques in the shop setting.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Production Welder Blueprint Reading	<b>Planned Hours:</b> 7
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by:</b> Dakota Creek Industries, Inc.	
Description of element/course: Training on how to read nested drawings.	

<b>Element/Course:</b> 2 <sup>nd</sup> Year - Shielded Metal Arc Welding for Beginners	<b>Planned Hours:</b> 33
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	

<b>Provided by: Dakota Creek Industries</b> Description of element/course: Introduction to Shielded Metal Arc Welding (SMAW). Welding of structural steel plate in the flat position using E6010 and E7018 electrodes with emphasis on shop safety.
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<b>Element/Course:</b> 3 <sup>rd</sup> Year - English Composition I - ENGL 101 <b>Mode of Instruction (check all that apply)</b> <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by: Skagit Valley College</b> <b>Description of element/course:</b> The study of fundamental writing skills and varied writing strategies leading to the planning, organizing, writing, and revising of academic essays.	<b>Planned Hours:</b> 55
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<b>Element/Course:</b> 3rd Year - Introduction to Welding Metallurgy WT 116 <b>Mode of Instruction (check all that apply)</b> <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by: Skagit Valley College</b> <b>Description of element/course:</b> Metallurgical theory as it applies to the welding of ferrous and nonferrous metals. Covers properties of metals, melting and solidification, phase changes, weld bead chemistry, and heat affected zones. Effects of alloying elements and heat treatments will be investigated along with welding-induced distortion and methods for distortion control.	<b>Planned Hours:</b> 33
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<b>Element/Course:</b> 3rd Year - Wirefeed Welding Applications and Certification - WT 222 <b>Mode of Instruction (check all that apply)</b> <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study <b>Provided by: Skagit Valley College</b> <b>Description of element/course:</b> Fillet welds on carbon steel using the semi-automatic wirefeed FCAW (Flux-Cored Arc Welding) and GMAW (Gas Metal Arc Welding) processes in the flat, horizontal, vertical and overhead positions. Introduction and/or review of shop safety, metal cutting, fitting, and gouging procedures.	<b>Planned Hours:</b> 128
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